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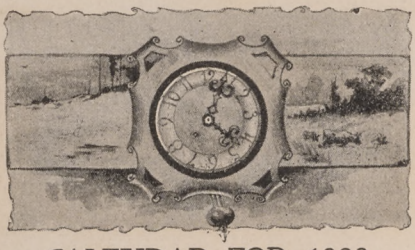
THE EXCELSIOR DIARY



CALENDAR FOR 1898.

1898.	SUNDAY.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
JAN'Y.	..	.	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
FEB'Y.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	..	..	..	..	..
MARCH.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
APRIL.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
MAY.	..	..	..	..	..	..	..
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..
JUNE.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	..	..

1898.	SUNDAY.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
JULY.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..
AUGUST.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
SEPT'R.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	..
OCT'R.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
NOV'R.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	..	..	..
DEC'R.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

Routes of Travel

Modes of Conveyance, Distances and Rates of Fare from San Francisco.

ABBREVIATIONS.

*—Southern Pacific Company, foot of Market Street.

X—Southern Pacific Co. (Coast Division), Third and Townsend Streets.

* N. G.—Southern Pacific Company, Narrow Gauge, foot of Market Street.

C. & C.—Carson & Colorado Railroad.

C. & L.—Colusa & Lake Railroad.

C. & N.—California & Nevada Railroad.

E. & E.—Eel River & Eureka Railroad.

E. & P.—Eureka & Palisade Railroad.

L. A. T. R.—Los Angeles Terminal Railroad.

m.—Miles.

N. C.—Nevada County Narrow Gauge Railroad.

N. P.—Northern Pacific Railroad.

N. P. C.—Northern Pacific Coast Railroad.

O. P.—Oregon Pacific Railroad.

O. C. & E.—Oregon Central and Eastern Railroad.

O. R. N.—Oregon Railway and Navigation Co.

P. C.—Pacific Coast Steamship Co.

P. C. Ry.—Pacific Coast Railway.

p.—Population. Where no figures are given population is under 50.

R. G. W.—Rio Grande Western Railroad.

S. C.—Southern California Railroad.

S. F. & N. P.—San Francisco & North Pacific Railroad.

U. P.—Union Pacific Railway & Branches.

V. & T.—Virginia & Truckee Railroad.

Routes of Travel

ÆTNA HOT SPRINGS, Napa Co., Cal.—* to St. Helena, 64 m., stage, 16 m., fare, $4.05.

ALAMEDA, Alameda Co., Cal., p. 11,165.—* 9 m., or * N. G., 10 m., fare, 10 cents.

ALBANY, Linn Co., Oregon, p. 7,000.—* 667 m., fare, $24.85, $20 and $16.50, or P. C. to Portland, 730 m., fare $15 and $7.50, * 79 m., fare $3.25, or P. C. to Yaquina, 450 m., fare $10 and $7, O. C. & E. 83 m., fare $3.35.

ASHLAND, Jackson Co., Oregon, p. 2,600.—* 405 m., fare, $14.35.

ASTORIA, Clatsop Co., Oregon, p. 7,071.—P. C., 632 m., fare, cabin, $15; steerage, $7.50, or * to Portland and Steamer.

BIG TREES, Calaveras Co., Cal.—* to Milton, 121 m., stage via Murphys, 49 m., round trip, $18, or * to Valley Springs, stage, 49 m., round trip, $21.10.

BIG TREES, Mariposa Co., Cal.—* to Raymond, 199 m., stage, 40 m., or via Milton, fare, $12.

BIG TREES, Santa Cruz Co., Cal., p. 250. - * N. G., 74 m., fare, $2.55. Sunday excursion $3, Saturday to Monday $5.

BODIE, Mono Co., Cal., p. 500.—* to Reno, 244 m., V. & T. and C. & C. to Hawthorne, 141 m., stage, 40 m., fare, $25 30.

BOISE CITY, Ada Co., Idaho. p. 3,000.—P. C. to Portland, 730 m., O. R. N. & U. P., 506 m., fare, $36.15 and $28.65, or via Ogden.

CALISTOGA, Napa Co., Cal., p. 1,400.—* 73 m., fare, $2.30, excursion Friday to Tuesday $3.50.

CARSON, Ormsby Co., Nevada, p. 4,227.—* to Reno, 244 m., V. & T., 31 m., fare, $12.05.

CHICO, Butte Co., Cal., p. 5,500.—* 186 m., fare, $5.90. and $5.40.

CLOVERDALE, Sonoma Co., Cal., p. 1,500.—S. F. & N. P., 85 m., fare, $3. Sat. to Mon. $4.50, excursion, Sun. $3.

COLFAX, Placer Co., Cal., p. 670.—* 144 m., fare, $5.05 and $4.55.

COLUSA, Colusa Co., Cal., p. 2,500.—* to Colusa Junction, 130 m., C. & L., 10 m., fare, $5.20 and $4.75

Routes of Travel

CORVALLIS, Benton Co., Oregon, p. 2,000.—* to Portland, 746 m., fare, $25, or P. C. to Portland, 730 m., fare, $15 and $7 50, * 97 m., fare, $3 85, or P. C. to Yaquina Bay, 450 m., fare, $10 and $7; O. C. & E., 72 m., fare, $2.90.

DALLES, Wasco Co., Oregon, p. 5,000.—* to Portland, 746 m., fare, $25, or P. C. to Portland, 730 m., fare, $15 and $7.50; O. R. N., 88 m., fare, $3.44, or Steamer, 110 m., fare, $3.30.

DAYTON, Yamhill Co., Oregon, p. 368.—P. C. to Portland, 730 m., fare, $15 and $7.50, * 32 m., fare, $1.15, or* to Portland, or via Yaquina.

DIXON, Salano Co., Cal., p. 1,430.—* 68 m., fare, $2.45, $2.10 and $1.50.

DUNCAN MILLS, Sonoma Co., Cal., p. 300.—N. P. C., 79 m., fare, $2.25; round trip, $3.40.

EAST OAKLAND, Alameda Co., Cal., p. 9,500.—* 9 m., fare, 10 cents.

EUGENE CITY, Lane Co., Oregon, p. 5,000.—*623 m., fare, $23.10, or via Yaquina Bay.

EUREKA, Humboldt, Co., Cal., p. 5,000.—S. F. & N. P. to Ukiah, 113 m., stage to Burnells, E. & E., 23 m., fare, $15, or P. C., 232 m., fare, $10, $7.50 and $5.

EUREKA, Eureka Co., Nevada, p. 4 207.—* to Palisade, 525 m., E. & P., 90 m., fare, $32.10.

FOREST GROVE, Washington Co., Oregon, p. 1,000.—P. C. to Portland, 730 m.. fare, $15 and $7.50, * 26 m., fare, $1.05, or via Yaquina.

FRESNO, Fresno Co., Cal., p. 10,818.—* 207 m., fare, $5.90, or Steamer to Stockton, fare, 25 cents; Valley R. R., 125 m., fare, $4.

GEYSER SPRINGS, Sonoma Co., Cal.—* to Calistoga, 73 m., stage, 27 m., or S. F. & N. P. to Cloverdale, 84 m., stage, 16 m., fare, round trip, $8.50; fare, round trip, going one route and returning the other, $12.50.

GILROY, Santa Clara Co., Cal., p. 2,537.—X, 80 m., fare, $2.20; excursion Sunday, $2.75, Saturday to Monday, $3.85.

GILROY HOT SPRINGS, Santa Clara Co., Cal.—X to Gilroy, 80 m., stage, 14 m., fare, $3.70; round trip, $7.40.

Routes of Travel

GOSHEN JUNCTION, Tulare Co., Cal.—* 241 m., fare, $6.90.

GRASS VALLEY, Nevada Co., Cal., p. 7,000.—* to Colfax, 144 m., N. C., 17 m., fare, $6.80.

HEALDSBURG, Sonoma Co., Cal., p. 2,427.—S. F. & N. P., 66 m., fare, $2.25; Saturday to Monday, $3.40, Sunday excursion, $2.25.

IDAHO CITY, Boise Co., Idaho, p. 8,000.—P. C. to Portland, 730 m., O. R. N. and U. P. to Boise City., 506 m., fare, $36.15 and $28.85; stage, 36 m., fare, $5.

INDEPENDENCE, Polk Co., Oregon, p. 1 100.—P. C. to Portland, 730 m., fare, $15 and $7.50 * 76 m., fare $3.05.

JUNCTION CITY (Lancaster), Lane Co., Oregon, p. 617.—* 636 m., fare, $23.60, $20 and $16.50.

LA GRANDE, Union Co., Oregon, p. 2,583.—* to Portland, 746 m., fare, $25; O. R. N., 305 m., fare, $12.20, or P. C. to Portland, 730 m., fare, $15 and $7.50.

LAKE TAHOE (bounded by Placer and El Dorado counties, Cal., and Washoe, Ormsby and Douglas counties, Nev.), Cal.—* to Truckee, 209 m., fare, $8.30; stage, 14 m., fare, $2, round trip, $16, or via Reno, Nev., round trip, $20.

LEWISTON, Nez Perce Co., Idaho, p. 1,500.—P. C. to Portland, 730 m., O. R. N. to Riparia, 301 m., fare, $27.95 and $20.45; Steamer, 77 m., fare, $3.25.

LOS ANGELES, Los Angeles Co., Cal., p. 65,000.—* 482 m., fare, $15 and $12, or P. C. to San Pedro, and L. A. T. R., 416 m., fare, $12.50 and $9. P. C. to Redondo, S. C., 23 m.; fare, $12 50 and $9, or P. C. to Port Los Angeles, 372 m., * 20 m., fare, $12.50, and $9.

MARYSVILLE, Yuba Co., Cal., p. 6,000.—* 142 m., fare, $4.60, $4.10 and $3.75.

MENLO PARK, San Mateo Co., Cal., p. 400.—X, 32 m., fare, $0.95; Sunday excursion, $1.25; Saturday to Monday, $1.50; Theatre train $1.

MONTEREY, Monterey Co., Cal , p. 2,005.X.—125 m., fare, $3; Sunday excursion, $3., Friday to Tuesday, $4.50 or P. C. direct, fare, $3 and $2.50; round trip, $5.

Routes of Travel

NAPA, Napa Co., Cal., p. 5,000.—* 46 m., fare, $1.50, or by river steamer.

NEVADA, Nevada Co., Cal., p. 5,000.—* to Colfax, 144 m., fare, $5.05; N. C., 22 m., fare, $2.25.

OAKLAND, Alameda Co., Cal., p. 48,682.—* 8 m., fare, 10 cents, or * N. G., fare, 10 cents, or Creek Route, fare 5 cents.

OLYMPIA, Thurston Co., Washington, p. 4,716.—P. C. to Tacoma, 850 m., fare, $15 and $7.50; N. P., 34 m., fare, $1.70, or via Portland.

PASO ROBLES, San Luis Obispo Co., Cal., p. 829.—X, 216 m., fare, $6.20.

PASADENA, Los Angeles Co., Cal., p. 10,000.—* to Los Angeles and L. A. T. R., 492 m., fare, $15.25 and $12.25, or * 493 m., fare, $15.20 and $12.20.

PENDLETON, Umatilla Co., Oregon, p. 2,506.—* to Portland, 746 m., fare, $25; O. R. N, 231 m., fare, $9.22, or P. C. to Portland.

PESCADERO, San Mateo Co., Cal., p. 984.—X to San Mateo, 21 m., stage daily except Sunday, 32 m., fare, $2.10, round trip, $4.20, or X to Redwood, 29 m., stage daily except Sunday, 34 m., fare, $2.60; round trip, $4.70.

PETALUMA, Sonoma Co., Cal., p. 5,000.—S. F. & N. P., 36 m., fare, $1; round trip, $1.50.

PORTLAND, Multnomah Co., Oregon, p. 75,000.—* 746 m., fare, $25, $20 and $16.50, time, 37 hours, or P. C., 730 m., fare, $12 and $6, time, 60 hours.

PORT TOWNSEND, Jefferson Co., Wash., p. 4,558.—P. C., 785 m., fare, $15 and $7.50; round trip, $25, or P. C. to Portland, 730 m., fare, $15 and $7.50; N. P. to Tacoma, 145 m., fare, $6.25; Steamer, 92 m., fare, $2.50.

REDLANDS, San Bernardino Co., Cal., p. 2,500.—* 548 m., fare, $17.05, and $14.05.

RENO, Washoe Co., Nevada, p. 6,000.*—244 m., fare, $10.05.

RIVERSIDE, Riverside Co., Cal., p. 4,683.—* to Colton and S. C. or P. C. to Redondo and S. C., 546 m., fare, $16.75 and $13.75.

ROSEBURG, Douglas Co., Oregon, p. 2,406.—* 549 m., fare, $20.10.

SACRAMENTO, Sacramento Co., Cal., p. 30,000.—* via Benicia, 90 m., (via Niles 140 m.,) fare, $3.30; limited $2.50; second class, $1.50, on 4 P. M. train only, or Steamer, 120 m., fare, $1.50.

SALEM, Marion Co., Oregon, p. 12,000.—* 694 m., fare, $25, $20 and $16.50, or P. C. to Portland, 730 m., fare, $15 and $7.50; * 52 m., fare, $2.15, or Steamer, 70 m., or P. C. to Yaquina.

SALINAS, Monterey Co., Cal., p. 3,600.—X, 118 m., fare, $3.25, or P. C. to Moss Landing.

SALT LAKE CITY, Salt Lake Co., Utah, p. 44 843.—* to Ogden, 833 m., R. G. W., 36 m., or U. P., 37 m., fare, $36.50 and $26.50.

SANTA ROSA, Sonoma Co., Cal., p. 6,000.—S. F. & N. P., 51 m., fare, $1.50. round trip, $2.25, or * 75 m., fare, $2.25, and $1.50.

SAN BERNARDINO, San Bernardino, Co., Cal., p. 4,012.—* to Colton and S. C. or * and S. C. via Los Angeles, 543 m., fare, $16.75 and $13.75.

SAN DIEGO, San Diego Co., Cal., p. 17,000.—* to Los Angeles, 482 m., S. C., 126 m., fare, $20 and $17, or P. C., 482 m., fare, $15 and $10; round trip, $25.

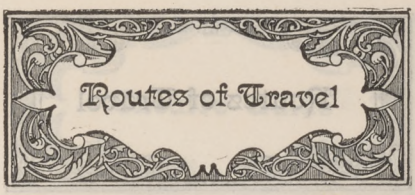
SAN JOSE, Santa Clara Co., Cal., p. 24,000.—* N. G., or * 48 m., or X, 50 m., fare, $1.25 excursion Sundays, $1.75; Saturday to Monday, $2. Theatre train, $1.75.

SAN RAFAEL, Marin Co., Cal., p. 4,000.—N. P. C., 18 m., or S. F. & N. P., 18 m., fare, 35 cents; round trip, 50 cents.

SAN LUIS OBISPO, San Luis Obispo Co., Cal., p. 4,000.—X, 253 m., fare, $7.65 or P. C. to Port Harford, 201 m., P. C. Ry., 10 m., fare, $6.50 and $5; round trip, $11.90.

SANTA MONICO, Los Angeles Co., Cal., p. 1,600.—* 502 m., fare, $15.50 and $12.50, or P. C. to Port Los Angeles, fare, $12 and $8.50.

SAN MATEO, San Mateo Co., Cal., p. 1,500.—X, 21 m., fare, 60 cents, excursion Sundays 75 cents; Saturday to Monday, $1. Theatre train, 75 cents.



SANTA BARBARA, Santa Barbara Co., Cal., p. 7,000. —P. C., 288 m., fare, $10 and $7.50, round trip, $18, or * 529 m., fare, $15 and $12, or X to Santa Ynez, 302 m., fare $10.10, stage, 74 m.

SANTA CLARA, Santa Clara Co., Cal., p. 2,891.—X, 47m., fare, $1.25, excursion Sunday, $1.75, Saturday to Monday, $2., Theatre train, $1.75 or * N. G. 44 m., fare, $1.25, Excursion Sunday, $1.75.

SANTA CRUZ, Santa Cruz Co., Cal., p. 5,600, * N. G., 81 m., or X, 121 m., fare, $2.80, excursion Sunday, $3, Friday to Tuesday, $4.50, or P. C., direct, 70 m., fare, $2.50 and $2; round trip, $4.

SEATTLE, King Co., Wash., p. 45 953.—P. C., 827 m., fare, $15 and $7.50, round trip, $25, or P. C. to Portland, 730 m., fare, $15 and $7.50, or * to Portland, 746 m., fare, $25, $20 and $16.50; N. P., 183 m., fare, $7.25.

SIERRA MADRE, Los Angeles Co., Cal.—* to San Gabriel, 491 m., stage, 4 m., fare, $15.70 and $12.70.

SODA SPRINGS, Placer Co., Cal.—* 192 m., fare, $7.45. and $6.95.

SPOKANE, Spokane Co., Wash., p. 19,922—P. C. to Tacoma, 850 m., fare, $15 and $7.50; N. P., 398 m., fare, $16.65, or via Portland.

STOCKTON, San Joaquin Co., Cal., p. 15,000.—* 92 m., fare, $2.50 and $1.50, or Steamer, 127 m.

ST. HELENA, Napa Co., Cal., p. 2,123.—* 64 m., fare, $2.05.

TACOMA, Pierce Co., Wash., p. 36,006.—P. C., 850 m., fare, $15 and $7.50, round trip, $25, or P. C. to Portland, 730 m., fare, $15 and $7.50, or * to Portland, 746 m., fare, $25, $20 and $16.50; N. P., 145 m., fare, $6.25.

TAHOE CITY (Lake Tahoe), Placer Co., Cal., p. 200.— * to Truckee, 209 m., stage, 14 m., fare, $10.35; round trip, $16; return via Carson and Reno, fare, $20.

TAMALPAIS, Marin Co., Cal.—N. P. C., 14 m., fare, 35 cents; round trip, 50 cents.

UMATILLA JUNCTION, Umatilla Co., Oregon, p. 319. —* to Portland, 746 m., O. R. N, 186 m., fare, $32.46, or P. C. to Portland.

Routes of Travel

VACAVILLE, Solano Co., Cal., p. 1,000.—* 65 m., fare, $2.30. and $2.05.

VANCOUVER, Clark Co., Wash., p. 3,545.—P. C. to Portland, 730 m., fare, $15 and $7.50; Steamer, 18 m., fare, 25 cents.

VALLEJO, Solano Co., Cal., p. 6,343.—* to Vallejo Junction, 29 m., ferryboat, 2 m., fare, $1, excursion, Sunday $1, Friday to Tuesday, $1.50.

VICTORIA (Victoria District), British Colony, p. 20,500 —P. C., 750 m., $15 and $7.50, round trip, $25, or round trip, returning via Portland, Oregon, $39.

VIRGINIA CITY, Storey Co., Nevada, p. 10,917.—* to Reno, 244 m., V. & T., 52 m., fare, $13.05.

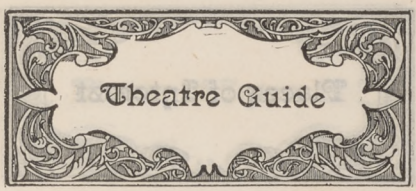
WALLA WALLA, Walla Walla Co., Wash., p. 8,000.—P. C. to Portland, 730 m., fare, $15 and $7.50; O. R., N. 245 m., fare, $10.10.

WALNUT CREEK, Contra Costa Co., Cal., p. 400.—* via Avon, 49 m., fare, $1.65. or * to Emerys, C. & N. to Bryant, 31 m., stage, 7 m.

WHITE SULPHUR SPRINGS, Napa Co., Cal.—* to St. Helena, 64 m., fare, $2.05; stage, 2 m., fare, 25 cents.

YALE (Yale District), British Colony, p. 1,300.—P. C. to Victoria, fare, $15 and $7.50, Steamer, and C. P., 938 m., fare, $6.70.

YOSEMITE, Mariposo Co., Cal., p. 200.—* to Raymond, 196 m., stage, via Wawona, 60 m., fare, $32; round trip, $50 or * to Milton, 121 m., stage, 85 m., round trip, $40, or via Calaveras Big Trees, Stage, 140 m., round trip, $50.



Pleasure Resorts and Places of Interest, General Information for Strangers, etc., in and about San Francisco.

Columbia Theatre—Powell and Market Streets.

New California Theatre—Bush Street, above Kearney.

Baldwin Theatre—Baldwin Hotel, Market and Powell.

The Alcazar Theatre—O'Farrell Street, between Stockton and Powell.

Morosco's Grand Opera House—Mission Street, near Third.

Bush Street Theatre—Bush Street, above Montgomery.

Orpheum Opera House—O'Farrell Street, between Stockton and Powell. Variety and Specialty.

Chinese Theatre—Grand Chinese Theatre, 814 Washington Street, between Dupont and Stockton Streets. Performances every evening by full Chinese Company. Admission, 50 cents. Private Boxes, $3.

Tivoli Opera House—Eddy Street, near Baldwin Hotel. Grand Operatic Performance every evening. Grand Orchestra and Chorus. Admission, 25 cents. Extra to reserve.

Ingleside Track.—Admission, $1.00. Take Southern Pacific trains at Fourth and Townsend Streets Depot, leaving at 1.15 P. M.; or take Mission Street Electric Line direct to track.

Golden Gate Park—Contains over 1,000 acres; extends from Baker Street to the Pacific Ocean, 3½ miles. Reached by Market Street Cable Railway, via Haight, Hayes or McAllister Street, from Ferries, or Geary Street Cable Road from corner Kearney and Geary Streets, and via Powell or California Street Cable Roads, or Omnibus Cable lines. Fare, 5 cents.

Places of Interest

Sutro Heights Cliff House and Seal Rocks—Point Lobos, 6 miles from City Hall. A magnificent drive over a perfect road leading through Golden Gate Park, or can be reached by Market Street Cable R. R., Haight, Hayes or McAllister Street Division, connecting at Haight Street Terminus with trains of Park and Ocean R. R. direct to Ocean Beach, near Cliff House. Distance from Oakland Ferry, about 8 miles; time, 55 minutes; fare, 10 cents; also reached by Powell Street Cable Railway, and Ferries and Cliff House R. R., also by Sutter St., and Sutro Ry.

Sutro Baths—Open from 7 A. M. to 11 P. M. Concert every afternoon and evening. Admission, adults, 10 cents, children, 5 cents.

San Francisco Board of Trade—Union Block, 202 Market Street.

San Francisco Chamber of Commerce—Merchants' Exchange, California Street.

San Francisco Stock Exchange—Pine Street, between Montgomery and Sansome.

Merchants' Exchange—California Street, between Montgomery and Sansome.

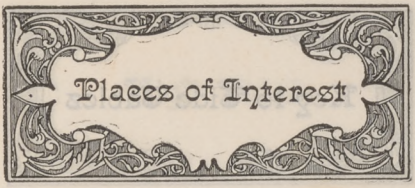
United States Mint—Fifth and Mission Streets. Visitors admitted from 9 A. M. to 12 noon, except Saturday or Sunday.

United States Land Office—Located at 610 Commercial Street.

State Boards of Viticulture—101 Sansome Street; ***Horticulture,*** 220 Sutter Street; ***Agriculture,*** Sacramento City; ***Trade and Exhibit of Products***, Market Street, near Second.

California State Mining Bureau—New Pioneer Building, Fourth Street. This institution has the largest and most valuable collection of ores, minerals, fossils and Indian relics in the United States.

Mission Dolores—Founded 1776; 16th and Dolores Streets. Reached by Valencia Street Division of Market Street Cable Railway, and Howard Street Cable Railway.



Alcatraz Island and Angel Island—Permission to visit these may be secured at Army Headquarters, Phelan Building. Steamer *General McDowell* visits them daily.

Presidio Barracks—Take Union Street Cable Cars to Presidio; or California Street line and transfer at Hyde and Union Streets to Presidio cars; or Powell Street cars and transfer at Mason and Jackson Streets. Band plays daily, except Thursday and Saturday, at 2 P. M.

Academy of Science—Located on Market Street, above Fourth.

Libraries—The Peoples' Free Library, New City Hall; The Mechanics' Library, 31 Post Street; The Odd Fellows' Library, Market and Seventh Streets; The Geographical Society of the Pacific, 513 Post Street; The San Francisco Art Association, 430 Pine Street; The Mercantile Library, Van Ness Avenue; The Pioneer's Library, Fourth Street, between Market and Mission.

Eastern Railway Lines—The offices of all Agents of Eastern Railroads represented in San Francisco are on Montgomery, Market and New Montgomery Streets, in close proximity to Palace, Grand and Occidental Hotels.

POST OFFICE AND CUSTOM HOUSE—Located on Washington Street, between Sansome and Battery.

BANKS—All the leading banks are on Montgomery, Sansome, California and Sutter Streets.

EXPRESS OFFICES—Wells, Fargo & Co., New Montgomery Street, near Palace Hotel.

PACIFIC POSTAL TELEGRAPH—Main Office, 534 Market Street.

WESTERN UNION TELEGRAPH—Main Office, N. E. corner Montgomery and Pine Streets.

STREET CAR FARES—The fare on all Street Car Lines, both Horse and Cable, is 5 cents.

Key to Tide Tables

NOTE.—The tables of tides for San Francisco, San Pedro, Port Townsend and Astoria are obtained from the United States Coast and Geodetic Survey. These tides are extremely irregular, both as regards interval and height.

The two tides may occur either during the same morning or during the same afternoon. 0 h. 00 m. is midnight and 12 h. 00 m. is noon. An A. M. tide in the P. M. column is marked a; a P. M. tide in the A. M. column is marked p. To change "Pacific Standard Time" to San Francisco "Local Time," subtract 10 minutes. For San Pedro, add 7 minutes. For Port Townsend, subtract 11 minutes. For Astoria, subtract 15 minutes. The height is reckoned from the level of average lower low waters, for which the soundings are given on the coast and geodetic survey charts. These predicted times are all in "Pacific Standard Time," eight hours slower than Greenwich time. The large tide is distinguished by the letter l, and the asterisk (*) denotes that both tides are of the same height.

High Tides

AT SAN FRANCISCO.

JANUARY.

D	First	Second	D	First	Second
1	6 21 1	8 10	17	6 08 1	8 54
2	7 05 1	9 26	18	7 04 1	9 59
3	7 45 1	10 28	19	8 02 1	10 50
4	8 24 1	11 15	20	8 59 1	11 33
5	9 01 1	11 55	21	9 54	. .
6	9 38	. .	22	0 12	10 49al
7	0 25	10 14al	23	0 49	11 43al
8	0 55	10 54al	24	1 26	12 36 1
9	1 22	11 36al	25	2 03 1	1 33
10	1 48	12 20 1	26	2 36 1	2 32
11	2 13	1 07 1	27	3 12 1	3 36
12	2 42 1	2 00	28	3 53 1	4 52
13	3 13 1	2 59	29	4 36 1	6 29
14	3 49 1	4 15	30	5 21 1	8 18
15	4 30 1	5 50	31	6 12 1	9 34
16	5 16 1	7 28			

FEBRUARY.

D	First	Second	D	First	Second
1	7 01 1	10 22	17	7 58 1	10 21
2	7 50 1	10 55	18	9 00 1	10 58
3	8 35 1	11 21	19	9 55 1	11 32
4	9 20 1	11 44	20	10 48	. .
5	10 05	. .	21	0 06	11 38al
6	0 07	10 48al	22	0 37 1	12 28
7	0 29	11 31al	23	1 07 1	1 20
8	0 51	12 15 1	24	1 38 1	2 18
9	1 16 1	1 02	25	2 11 1	3 21
10	1 44 1	1 53	26	2 46 1	4 39
11	2 17 1	3 00	27	3 25 1	6 28
12	2 57 1	4 20	28	4 11 1	8 17
13	3 44 1	5 59			
14	4 40 1	7 35			
15	5 42 1	8 48			
16	6 51 1	9 40			

MARCH.

D	First	Second	D	First	Second
1	5 10 1	9 14	17	6 47 1	9 05
2	6 18 1	9 45	18	7 58 1	9 42
3	7 21 1	10 09	19	9 00*	10 15
4	8 17 1	10 29	20	9 55*	10 48
5	9 08 1	10 49	21	10 48*	11 17
6	9 52 1	11 08	22	11 38	11 45 1
7	10 35 1	11 29	23	. .	12 29
8	11 19*	11 52	24	0 15 1	1 20
9	. .	12 06	25	0 45 1	2 14
10	0 20 1	1 00	26	1 15 1	3 15
11	0 51 1	2 00	27	1 48 1	4 33
12	1 30 1	3 09	28	2 22 1	6 10
13	2 16 1	4 34	29	3 06 1	7 35
14	3 10 1	6 06	30	4 09 1	8 16
15	4 17 1	7 26	31	5 39	8 42 1
16	5 33 1	8 22			

APRIL.

D	First	Second	D	First	Second
1	6 59	9 00 1	17	9 01	9 30 1
2	8 01	9 19 1	18	10 00	10 02 1
3	8 52	9 41 1	19	10 53	10 32 1
4	9 39	10 05 1	20	11 42	11 02 1
5	10 29	10 31 1	21	12 30p	11 30 1
6	11 19	10 59 1	22	. .	1 20
7	12 12p	11 34 1	23	0 00 1	2 12
8	. .	1 10	24	0 30 1	3 11
9	0 12 1	2 12	25	1 00 1	4 15
10	0 54 1	3 24	26	1 30 1	5 18
11	1 42 1	4 43	27	2 07 1	6 12
12	2 45 1	5 55	28	3 16	6 45 1
13	4 04 1	6 55	29	4 45	7 15 1
14	5 29	7 44 1	30	6 19	7 44 1
15	6 49	8 20 1			
16	8 00	8 56 1			

MAY.

D	First	Second	D	First	Second
1	7 36	8 11 1	17	10 00	9 21 1
2	8 37	8 39 1	18	10 55	9 53 1
3	9 35	9 08 1	19	11 46	10 24 1
4	10 32	9 40 1	20	12 35p	10 54 1
5	11 29	10 18 1	21	1 22p	11 24 1
6	12 24p	10 58 1	22	2 09p	11 54 1
7	1 22p	11 41 1	23	. .	2 53
8	. .	2 22	24	0 29 1	3 36
9	0 29 1	3 23	25	1 04 1	4 14
10	1 23 1	4 25	26	1 50*	4 47
11	2 31 1	5 21	27	2 51	5 21 1
12	3 51	6 10 1	28	4 12	5 56 1
13	5 18	6 50 1	29	5 44	6 31 1
14	6 40	7 32 1	30	7 12	7 06 1
15	7 58	8 11 1	31	8 28	7 42 1
16	9 05	8 47 1			

JUNE.

D	First	Second	D	First	Second
1	9 38	8 20 1	17	11 50	9 54 1
2	10 40	9 02 1	18	12 33p	10 28 1
3	11 38	9 48 1	19	1 10	11 03 1
4	12 30p	10 35 1	20	1 45	11 39 1
5	1 21p	11 26 1	21	. .	2 17
6	. .	2 11	22	0 18 1	2 45
7	0 18 1	3 00	23	0 59 1	3 11
8	1 17 1	3 47	24	1 45	3 40 1
9	2 24 1	4 33	25	2 44	4 14 1
10	3 39	5 18 1	26	3 55	4 49 1
11	5 01	6 01 1	27	5 17	5 28 1
12	6 26	6 45 1	28	6 52	6 11 1
13	7 49	7 27 1	29	8 25	6 57 1
14	9 02	8 07 1	30	9 42	7 47 1
15	10 06	8 45 1			
16	11 01	9 20 1			

High Tides

AT SAN FRANCISCO.

JULY.

D	First	Second	D	First	Second
1	10 44	8 39 1	17	12 12 p	10 16 1
2	11 34	9 32 1	18	12 39 p	10 56 1
3	12 18 p	10 27 1	19	1 04 p	11 35 1
4	1 00 p	11 22 1	20	. .	1 28
5	. .	1 40	21	0 13 1	1 50
6	0 17 1	2 20	22	0 55*	2 15
7	1 15 1	2 59	23	1 44	2 42 1
8	2 17	3 39 1	24	2 38	3 14 1
9	3 25	4 19 1	25	3 38	3 52 1
10	4 42	5 05 1	26	5 05	4 36 1
11	6 10	5 51 1	27	6 50	5 28 1
12	7 45	6 40 1	28	8 28	6 26 1
13	9 09	7 27 1	29	9 38	7 30 1
14	10 13	8 12 1	30	10 30	8 31 1
15	11 01	8 54 1	31	11 10	9 31 1
16	11 40	9 36 1			

AUGUST.

D	First	Second	D	First	Second
1	11 48	10 26 1	17	12 11 p	11 23 1
2	12 24 p	11 21 1	18	. .	12 31
3	. .	12 59	19	0 04 1	12 52
4	0 14 1	1 32	20	0 46	1 17 1
5	1 09*	2 06	21	1 34	1 46 1
6	2 08	2 41 1	22	2 32	2 21 1
7	3 10	3 21 1	23	3 44	3 07 1
8	4 24	4 05 1	24	5 17	3 58 1
9	6 00	4 54 1	25	6 55	5 02 1
10	7 48	5 47 1	26	8 18	6 14 1
11	9 12	6 45 1	27	9 12	7 24 1
12	10 04	7 40 1	28	9 55	8 31 1
13	10 40	8 31 1	29	10 31	9 31 1
14	11 07	9 17 1	30	11 06	10 27 1
15	11 30	10 01 1	31	11 40	11 20 1
16	11 51	10 42 1			

SEPTEMBER.

D	First	Second	D	First	Second
1	. .	12 10	17	11 56	. .
2	0 11 1	12 41	18	0 45	12 25 1
3	1 05	1 13 1	19	1 40	1 02 1
4	2 02	1 48 1	20	2 43	1 44 1
5	3 04	2 23 1	21	3 59	2 32 1
6	4 18	3 04 1	22	5 26	3 33 1
7	5 56	3 51 1	23	6 46	4 50 1
8	7 43	4 52 1	24	7 47	6 11 1
9	8 48	6 03 1	25	8 33	7 25 1
10	9 25	7 11 1	26	9 12	8 31 1
11	9 52	8 10 1	27	9 46*	9 32
12	10 12	9 00 1	28	10 19 1	10 29
13	10 31*	9 45	29	10 50 1	11 22
14	10 50*	10 28	30	11 21	. .
15	11 09 1	11 11			
16	11 30*	11 55			

OCTOBER.

D	First	Second	D	First	Second
1	0 15	11 53al	17	0 54	11 45al
2	1 08	12 25 1	18	1 54	12 25 1
3	2 02	1 00 1	19	2 59	1 11 1
4	3 04	1 36 1	20	4 08	2 08 1
5	4 16	2 14 1	21	5 15	3 20 1
6	5 40	2 57 1	22	6 16	4 44 1
7	6 59	4 00 1	23	7 02 1	6 10
8	7 50 1	5 24	24	7 43 1	7 28
9	8 19 1	6 45	25	8 21 1	8 35
10	8 38 1	7 51	26	8 59 1	9 37
11	8 58 1	8 45	27	9 34 1	10 34
12	9 20 1	9 30	28	10 07 1	11 27
13	9 43 1	10 19	29	10 40	. .
14	10 08 1	11 09	30	0 19	11 12al
15	10 34	. .	31	1 11	11 46al
16	0 00	11 08al			

NOVEMBER.

D	First	Second	D	First	Second
1	2 04	12 20 1	17	2 57	12 55 1
2	3 01	12 55 1	18	3 52	2 01
3	4 00	1 29 1	19	4 44	3 15 1
4	4 57	2 09 1	20	5 30 1	4 37
5	5 47 1	3 07	21	6 14 1	6 01
6	6 19 1	4 29	22	6 56 1	7 23
7	6 48 1	5 57	23	7 37 1	8 36
8	7 19 1	7 16	24	8 16 1	9 38
9	7 45 1	8 24	25	8 54 1	10 38
10	8 13 1	9 22	26	9 30 1	11 32
11	8 43 1	10 19	27	10 04	. .
12	9 12 1	11 15	28	0 23	10 39al
13	9 51	. .	29	1 11	11 15al
14	0 10	10 30al	30	1 58	11 52al
15	1 05	11 15al			
16	2 01	12 00 1			

DECEMBER.

D	First	Second	D	First	Second
1	2 41	12 29 1	17	3 18	1 57 1
2	3 22	1 06 1	18	3 58 1	3 07
3	4 00 1	1 50	19	4 39 1	4 26
4	4 28 1	2 41	20	5 24 1	5 50
5	5 00 1	3 52	21	6 10 1	7 14
6	5 32 1	5 17	22	6 55 1	8 34
7	6 04 1	6 42	23	7 39 1	9 44
8	6 38 1	8 02	24	8 20 1	10 44
9	7 12 1	9 17	25	9 00 1	11 34
10	7 50 1	10 22	26	9 39	. .
11	8 32 1	11 20	27	0 18	10 17al
12	9 18	. .	28	0 56	10 53al
13	0 12	10 08al	29	1 30	11 32al
14	1 00	11 00al	30	2 01	12 13 1
15	1 47	11 54al	31	2 31*	12 55
16	2 33	12 53 1			

High Tides

AT SAN PEDRO.

JANUARY.

D	First	Second	D	First	Second
1	4 18 l	5 48	17	4 37 l	6 37
2	5 05 l	7 14	18	5 40 l	7 37
3	5 48 l	8 12	19	6 35 l	8 22
4	6 28 l	8 48	20	7 25 l	9 03
5	7 05 l	9 18	21	8 12 l	9 42
6	7 42 l	9 43	22	8 57 l	10 19
7	8 19 l	10 07	23	9 42 l	10 56
8	8 55 l	10 33	24	10 23 l	11 32
9	9 28 l	10 59	25	11 06	. .
10	10 05 l	11 28	26	0 06	11 52a l
11	10 43 l	11 59	27	0 42 l	12 44
12	11 27	. .	28	1 21 l	1 53
13	0 35 l	12 19	29	2 09 l	3 49
14	1 20 l	1 34	30	3 09 l	6 02
15	2 19 l	3 20	31	4 13 l	7 22
16	3 29 l	5 10			

FEBRUARY.

D	First	Second	D	First	Second
1	5 13 l	8 28	17	6 26 l	8 02
2	6 03 l	8 37	18	7 17 l	8 37
3	6 47 l	8 49	19	8 04 l	9 10
4	7 27 l	9 05	20	8 49 l	9 42
5	8 07 l	9 26	21	9 31 l	10 14
6	8 44 l	9 49	22	10 12 l	10 44
7	9 19 l	10 13	23	10 52 l	11 11
8	9 56 l	10 39	24	11 31	11 40 l
9	10 34 l	11 08	25	. .	12 19
10	11 17	11 44 l	26	0 10 l	1 34
11	. .	12 04	27	0 45 l	3 52
12	0 30 l	1 22	28	1 43 l	6 22
13	1 32 l	3 21			
14	2 51 l	5 27			
15	4 13 l	6 40			
16	5 26 l	7 26			

MARCH.

D	First	Second	D	First	Second
1	3 11 l	7 43	17	5 14 l	6 57
2	4 35 l	7 52	18	6 16 l	7 31
3	5 39 l	7 53	19	7 09 l	8 03
4	6 30 l	8 01	20	7 56 l	8 34
5	7 13 l	8 18	21	8 39 l	9 04
6	7 54 l	8 41	22	9 20 l	9 34
7	8 32 l	9 04	23	9 57	10 03 l
8	9 08 l	9 28	24	10 38	10 27 l
9	9 46*	10 00	25	11 23	10 51 l
10	10 24	10 32 l	26	12 17p	11 11 l
11	11 10	11 10 l	27	1 40p	11 34 l
12	12 06p	11 54 l	28	. .	3 02
13	. .	1 34	29	0 06 l	5 02
14	0 56 l	3 39	30	2 02 l	6 40
15	2 23 l	5 25	31	4 02 l	6 52
16	3 56 l	6 20			

APRIL.

D	First	Second	D	First	Second
1	5 19 l	6 52	17	6 55	7 25 l
2	6 11 l	7 07	18	7 42	7 57 l
3	6 56	7 30 l	19	8 26	8 27 l
4	7 38	7 57 l	20	9 09	8 56 l
5	8 17	8 27 l	21	9 52	9 22 l
6	8 56	8 56 l	22	10 36	9 46 l
7	9 29	9 29 l	23	11 24	10 08 l
8	10 24	10 03 l	24	12 21p	10 31 l
9	11 07	10 43 l	25	1 39p	10 54 l
10	12 24p	11 32 l	26	2 53p	11 28 l
11	. .	1 54	27	. .	4 07
12	0 35 l	3 35	28	0 50 l	5 21
13	2 06 l	4 52	29	3 05*	5 26
14	3 40 l	5 42	30	4 34	5 42 l
15	4 59	6 18 l			
16	6 01	6 52 l			

MAY.

D	First	Second	D	First	Second
1	5 40	6 08 l	17	7 32	7 15 l
2	6 33	6 41 l	18	8 22	7 48 l
3	7 21	7 16 l	19	9 09	8 20 l
4	8 07	7 52 l	20	9 54	8 50 l
5	8 53	8 27 l	21	10 38	9 17 l
6	9 42	9 05 l	22	11 23	9 44 l
7	10 32	9 46 l	23	12 09p	10 12 l
8	11 28	10 30 l	24	12 57p	10 43 l
9	12 33p	11 22 l	25	1 49p	11 25 l
10	. .	1 44	26	. .	2 33
11	0 24 l	2 58	27	0 27 l	3 16
12	1 42 l	4 02	28	2 02	3 59 l
13	3 09	4 52 l	29	3 44	4 42 l
14	4 30	5 30 l	30	5 05	5 22 l
15	5 42	6 07 l	31	6 13	6 02 l
16	6 40	6 42 l			

JUNE.

D	First	Second	D	First	Second
1	7 12	6 43 l	17	9 16	7 53 l
2	8 05	7 25 l	18	9 54	8 27 l
3	8 56	8 08 l	19	10 30	9 00 l
4	9 44	8 52 l	20	11 01	9 32 l
5	10 34	9 37 l	21	11 32	10 03 l
6	11 25	10 23 l	22	12 03p	10 28 l
7	12 17p	11 12 l	23	12 32p	11 18 l
8	. .	1 12	24	. .	1 06
9	0 08 l	2 07	25	0 07*	1 48
10	1 14 l	3 00	26	1 17	2 38 l
11	2 33	3 50 l	27	3 00	3 39 l
12	4 01	4 40 l	28	4 40	4 36 l
13	5 22	5 26 l	29	6 07	5 31 l
14	6 36	6 07 l	30	7 14	6 23 l
15	7 38	6 43 l			
16	8 31	7 18 l			

High Tides

AT SAN PEDRO.

JULY.

D	First	Second	D	First	Second
1	8 07	7 11 1	17	9 36	8 12 1
2	8 55	7 59 1	18	9 58	8 47 1
3	9 38	8 46 1	19	10 20	9 21 1
4	10 21	9 32 1	20	10 43	9 54 1
5	11 03	10 17 1	21	11 07	10 29 1
6	11 45	11 02 1	22	11 33	11 07 1
7	12 27 p	11 51 1	23	12 05pl	11 53
8	. .	1 10	24	. .	12 42
9	0 47	1 56 1	25	0 52	1 36 1
10	1 57	2 49 1	26	2 31	2 44 1
11	3 29	3 46 1	27	4 33	3 58 1
12	5 19	4 42 1	28	6 14	5 10 1
13	7 01	5 32 1	29	7 16	6 10 1
14	8 02	6 17 1	30	8 02	7 03 1
15	8 42	6 57 1	31	8 41	7 51 1
16	9 12	7 36 1			

AUGUST.

D	First	Second	D	First	Second
1	9 17	8 38 1	17	9 33	9 09 1
2	9 53	9 23 1	18	9 54	9 42 1
3	10 29	10 07 1	19	10 17	10 18 1
4	11 05	10 49 1	20	10 42 1	10 54
5	11 39 *	11 34	21	11 14 1	11 38
6	. .	12 13	22	11 55	. .
7	0 26	12 52 1	23	0 41	12 46 1
8	1 30	1 39 1	24	2 33	2 00 1
9	3 13	2 40 1	25	4 50	3 31 1
10	7 10	3 50 1	26	6 16	4 54 1
11	8 00	4 58 1	27	7 02	5 59 1
12	8 16	5 53 1	28	7 38	6 54 1
13	8 27	6 38 1	29	8 12	7 44 1
14	8 40	7 18 1	30	8 46	8 30 1
15	8 54	7 58 1	31	9 19	9 13 1
16	9 12	8 34 1			

SEPTEMBER.

D	First	Second	D	First	Second
1	9 52	9 56 1	17	9 38 1	10 06
2	10 24 1	10 37	18	10 07 1	10 50
3	10 54 1	11 17	19	10 41 1	11 41
4	11 23	. .	20	11 22	. .
5	0 10	11 55al	21	0 57	12 16 1
6	1 18	12 30 1	22	2 52	1 35 1
7	4 02	1 23 1	23	4 46	3 14 1
8	5 18	2 51 1	24	5 49	4 41 1
9	6 33	4 18 1	25	6 29	5 49 1
10	7 48	5 28 1	26	7 04	6 46 1
11	7 42	6 21 1	27	7 37	7 35 1
12	7 49	7 04 1	28	8 10	8 20 1
13	8 04	7 43 1	29	8 42 1	9 02
14	8 23	8 21 1	30	9 14 1	9 44
15	8 45	8 54 1			
16	9 11 *	9 28			

OCTOBER.

D	First	Second	D	First	Second
1	9 45 1	10 27	17	9 39 1	10 56
2	10 12 1	11 15	18	10 18 1	11 57
3	10 39	. .	19	11 03	. .
4	0 11	11 04al	20	1 15	12 00 1
5	1 28	11 30al	21	2 47	1 30 1
6	2 32	12 06 1	22	4 10	2 56 1
7	3 34	1 41 1	23	5 06	4 22 1
8	4 36	3 41 1	24	5 47 *	5 31
9	5 38	5 00 1	25	6 23 1	6 31
10	6 39	5 56 1	26	6 58 1	7 22
11	6 52	6 43 1	27	7 32 1	8 09
12	7 11 *	7 24	28	8 06 1	8 55
13	7 38 1	8 02	29	8 37 1	9 41
14	8 06 1	8 42	30	9 08 1	10 28
15	8 34 1	9 23	31	9 37 1	11 18
16	9 05 1	10 07			

NOVEMBER.

D	First	Second	D	First	Second
1	10 04	. .	17	0 01	10 55 1
2	0 15	10 29al	18	1 08	11 52al
3	1 26	10 55al	19	2 14	1 02 1
4	3 32	11 29al	20	3 18	2 26 1
5	4 16	12 29 1	21	4 10 1	3 52
6	4 59	2 28 1	22	4 54 1	5 09
7	5 06 1	4 06	23	5 38 1	6 15
8	5 21 1	5 19	24	6 19 1	7 14
9	5 47 1	6 15	25	6 56 1	8 08
10	6 18 1	7 04	26	7 31 1	8 58
11	6 53 1	7 51	27	8 05 1	9 45
12	7 29 1	8 37	28	8 39 1	10 31
13	8 05 1	9 24	29	9 12 1	11 16
14	8 43 1	10 13	30	9 42 1	12 00
15	9 23 1	11 06			
16	10 07	. .			

DECEMBER.

D	First	Second	D	First	Second
1	10 11	. .	17	0 37	11 42al
2	0 44	10 42al	18	1 27	12 42 1
3	1 27	11 17al	19	2 17 *	1 53
4	2 06	12 05 1	20	3 10 1	3 19
5	2 42	1 18 1	21	4 06 1	4 48
6	3 22 1	3 02	22	4 57 1	6 12
7	4 04 1	4 36	23	5 44 1	7 23
8	4 48 1	5 52	24	6 27 1	8 20
9	5 32 1	6 55	25	7 06 1	9 06
10	6 17 1	7 53	26	7 42 1	9 45
11	7 02 1	8 47	27	8 19 1	10 19
12	7 47 1	9 36	28	8 54 1	10 50
13	8 32 1	10 24	29	9 28 1	11 18
14	9 17 1	11 11	30	9 59 1	11 47
15	10 03 1	11 57	31	10 32	. .
16	10 50	. .			

High Tides

AT ASTORIA, OREGON.

JANUARY.

D	First	Second	D	First	Second
1	7 20	8 54	17	7 38	9 40
2	8 13	10 08	18	8 46	10 53
3	9 07	11 10	19	9 55	11 50
4	10 02	11 58	20	10 58	. .
5	10 50	. .	21	0 38	11 54al
6	0 37	11 31al	22	1 19	12 45
7	1 11	12 10	23	1 59	1 33
8	1 41	12 47	24	2 35*	2 19
9	2 07	1 24	25	3 09	3 05
10	2 33	2 03	26	3 41	3 52
11	3 04	2 44	27	4 17	4 42
12	3 36	3 32	28	4 54	5 42
13	4 12	4 25	29	5 33	6 54
14	4 52	5 26	30	6 20	8 20
15	5 40	6 40	31	7 14	9 49
16	6 35	8 12			

FEBRUARY.

D	First	Second	D	First	Second
1	8 20	10 54	17	9 42	11 26
2	9 25	11 39	18	10 50	. .
3	10 23	. .	19	0 10	11 47al
4	0 11	11 10al	20	0 50	12 37
5	0 41	11 51al	21	1 27	1 23
6	1 09	12 31	22	2 02	2 08
7	1 33	1 10	23	2 36	2 48
8	2 01	1 51	24	3 07	3 31
9	2 32	2 34	25	3 38	4 16
10	3 05	3 20	26	4 10	5 09
11	3 40	4 11	27	4 45	6 16
12	4 20	5 10	28	5 27	7 40
13	5 05	6 19			
14	5 02	7 58			
15	7 11	9 25			
16	8 28	10 34			

MARCH.

D	First	Second	D	First	Second
1	6 22	9 09	17	8 19	10 01
2	7 36	10 14	18	9 36	10 50
3	8 53	10 54	19	10 42	11 34
4	9 57	11 27	20	11 36	. .
5	10 48	11 58	21	0 13	12 24
6	11 33	. .	22	0 49	1 08
7	0 26	12 16	23	1 25	1 50
8	0 56	12 58	24	1 58	2 31
9	1 28	1 41	25	2 29	3 14
10	2 00	2 25	26	2 59	3 57
11	2 33	3 11	27	3 30	4 42
12	3 10	4 03	28	4 03	5 30
13	3 51	4 57	29	4 43	6 39
14	4 41	6 11	30	5 38	7 58
15	5 43	7 42	31	6 57	9 01
16	6 57	9 00			

APRIL.

D	First	Second	D	First	Second
1	2 20	9 48	17	10 30	10 52
2	9 28	10 30	18	11 21	11 35
3	10 25	11 08	19	. .	12 09
4	11 15	11 41	20	0 11	12 54
5	. .	12 01	21	0 47	1 36
6	0 14	12 46	22	1 19	2 18
7	0 49	1 30	23	1 51	2 59
8	1 25	2 18	24	2 22	3 39
9	2 02	3 06	25	2 54	4 14
10	2 45	3 55	26	3 30	5 00
11	3 31	4 54	27	4 10	5 55
12	4 26	6 02	28	5 05	6 52
13	5 33	7 16	29	6 19	7 47
14	6 51	8 22	30	7 44	8 36
15	8 14	9 19			
16	9 29	10 07			

MAY.

D	First	Second	D	First	Second
1	8 57	9 24	17	11 06	10 54
2	9 59	10 09	18	11 56	11 35
3	10 55	10 54	19	. .	12 41
4	11 47	11 34	20	0 11	1 25
5	.	12 37	21	0 45	2 05
6	0 14	1 26	22	1 19	2 44
7	0 55	2 14	23	1 51	3 15
8	1 39	3 01	24	2 24	3 51
9	2 25	3 51	25	3 01	4 30
10	3 18	4 45	26	3 46	5 15
11	4 17	5 43	27	4 40	6 00
12	5 26	6 42	28	5 51	6 45
13	6 45	7 38	29	7 09	7 35
14	8 02	8 31	30	8 26	8 20
15	9 10	9 21	31	9 37	9 23
16	10 11	10 10			

JUNE.

D	First	Second	D	First	Second
1	10 40	10 13	17	12 32p	11 42
2	11 38	11 02	18	. .	1 13
3	12 31p	11 50	19	0 18	1 50
4	. .	1 21	20	0 53	2 22
5	0 37	2 10	21	1 28	2 49
6	1 24	2 55	22	2 04	3 21
7	2 14	3 39	23	2 42	3 55
8	3 07	4 24	24	3 29	4 31
9	4 06*	5 13	25	4 24	5 10
10	5 12	6 04	26	5 23	5 54
11	6 23	6 55	27	6 36	6 46
12	7 38	7 47	28	7 57	7 42
13	8 50	8 38	29	9 19	8 42
14	9 56	9 27	30	10 31	9 42
15	10 55	10 15			
16	11 47	11 01			

High Tides

AT ASTORIA, OREGON.

JULY.

D	First	Second	D	First	Second
1	11 32	10 38 l	17	12 54 p	11 58 l
2	12 25 p	11 32 l	18	. .	1 25
3	. .	1 12	19	0 35 l	1 52
4	0 24 l	1 56	20	1 10 l	2 16
5	1 15 l	2 37	21	1 48	2 44 l
6	2 04 l	3 14	22	2 27	3 16 l
7	2 55*	3 53	23	3 12	3 50 l
8	3 49	4 35 l	24	4 02	4 26 l
9	4 49	5 20 l	25	5 00	5 11 l
10	5 55	6 07 l	26	6 08	6 03 l
11	7 09	6 59 l	27	7 33	7 04 l
12	8 27	7 54 l	28	9 07	8 12 l
13	9 43	8 48 l	29	10 22	9 22 l
14	10 47	9 42 l	30	11 21	10 28 l
15	11 38	10 35 l	31	12 09 p	11 26 l
16	12 19 p	11 20 l			

AUGUST.

D	First	Second	D	First	Second
1	. .	12 51	17	0 18 l	1 14
2	0 18 l	1 31	18	0 55	1 42 l
3	1 07 l	2 08	19	1 34	2 11 l
4	1 55*	2 43	20	2 14	2 41 l
5	2 42	3 19 l	21	2 58	3 14 l
6	3 31	3 56 l	22	3 45	3 51 l
7	4 23	4 33 l	23	4 40	4 35 l
8	5 23	5 16 l	24	5 42	5 28 l
9	6 34	6 05 l	25	7 16	6 38 l
10	8 04	7 05 l	26	8 53	7 55 l
11	9 29	8 10 l	27	10 04	9 12 l
12	10 35	9 15 l	28	10 57	10 22 l
13	11 19	10 14 l	29	11 42	11 21 l
14	11 53	11 00 l	30	. .	12 21
15	12 22 p	11 40	31	0 12 l	12 59
16	. .	12 50			

SEPTEMBER.

D	First	Second	D	First	Second
1	0 59*	1 35	17	1 21	1 34 l
2	1 44	2 10 l	18	2 02	2 05 l
3	2 28	2 44 l	19	2 46	2 40 l
4	3 12	3 16 l	20	3 34	3 20 l
5	3 59	3 50 l	21	4 23	4 07 l
6	4 53	4 29 l	22	5 32	5 06 l
7	6 01	5 15 l	23	7 00	6 22 l
8	7 30	6 15 l	24	8 26	7 46 l
9	8 59	7 32 l	25	9 34	9 08 l
10	10 00	8 50 l	26	10 24	10 17 l
11	10 40	9 52 l	27	11 07	11 14 l
12	11 10	10 40 l	28	11 47	. .
13	11 40	11 23 l	29	0 03	12 25 l
14	. .	12 06	30	0 48	1 00 l
15	0 03	12 34 l			
16	0 42	1 04 l			

OCTOBER.

D	First	Second	D	First	Second
1	1 31	1 34 l	17	1 50	1 30 l
2	2 14	2 08 l	18	2 34	2 10 l
3	2 56	2 40 l	19	3 19	2 54 l
4	3 41	3 13 l	20	4 14	3 46 l
5	4 28	3 48 l	21	5 18	4 50 l
6	5 16	4 31 l	22	6 29	6 06 l
7	6 24	5 27 l	23	7 39	7 34 l
8	7 44	6 48 l	24	8 40*	8 55
9	8 41	8 10 l	25	9 33 l	10 03
10	9 28*	9 17	26	10 20 l	10 58
11	10 06 l	10 11	27	11 07 l	11 47
12	10 44 l	10 59	28	11 46	. .
13	11 47 l	11 42	29	0 33	12 23 l
14	11 48	. .	30	1 17	12 58 l
15	0 25	12 21 l	31	1 59	1 32 l
16	1 07	12 55 l			

NOVEMBER.

D	First	Second	D	First	Second
1	2 40	2 05 l	17	3 17	2 41 l
2	3 21	2 37 l	18	4 07	3 37 l
3	3 55	3 12 l	19	5 01	4 41 l
4	4 38	3 50 l	20	5 57 l	5 55
5	5 28	4 40 l	21	6 55 l	7 19
6	6 22 l	5 51	22	7 51 l	8 35
7	7 18 l	7 09	23	8 47 l	9 45
8	8 08 l	8 32	24	9 39 l	10 45
9	8 58 l	9 41	25	10 28 l	11 39
10	9 45 l	10 38	26	11 12	. .
11	10 30 l	11 29	27	0 26	11 54al
12	11 09	. .	28	1 10	12 30 l
13	0 16	11 48al	29	1 51	1 05 l
14	1 03	12 28 l	30	2 29	1 39 l
15	1 48	1 09 l			
16	2 31	1 53 l			

DECEMBER.

D	First	Second	D	First	Second
1	3 01	2 13 l	17	3 49	3 30 l
2	3 32	2 48 l	18	4 34 l	4 28
3	4 06	3 27 l	19	5 21 l	5 37
4	4 45 l	4 16	20	6 11 l	6 52
5	5 25 l	5 16	21	7 05 l	8 11
6	6 08 l	6 31	22	8 00 l	9 28
7	6 56 l	7 52	23	8 55 l	10 35
8	7 52 l	9 10	24	9 49 l	11 32
9	8 49 l	10 19	25	10 42	. .
10	9 43 l	11 20	26	0 20	11 29al
11	10 34	. .	27	1 01	12 09 l
12	0 12	11 22al	28	1 38	12 45 l
13	1 00	12 10 l	29	2 11	1 20 l
14	1 45	12 58 l	30	2 36	1 55 l
15	2 28	1 46 l	31	3 02	2 31 l
16	3 07	2 36 l			

AT PORT TOWNSEND, WASH.

JANUARY.

D	First	Second	D	First	Second
1	0 45	10 15al	17	1 45	9 30al
2	2 00	10 55al	18	2 57	10 03al
3	2 50	11 40al	19	3 45	10 55al
4	3 37 l	12 12	20	4 23 l	12 23
5	4 16 l	12 45	21	4 55 l	1 53
6	4 45 l	1 25	22	5 20 l	3 05
7	5 10 l	2 10	23	5 46 l	4 16
8	5 32 l	3 00	24	6 12 l	5 21
9	5 55 l	3 40	25	6 40 l	6 23
10	6 20 l	4 30	26	7 08 l	7 28
11	6 45 l	5 35	27	7 35 l	8 45
12	7 08 l	6 47	28	8 00 l	10 25
13	7 33 l	8 05	29	8 30	. .
14	8 00 l	9 30	30	0 36	8 50al
15	8 30 l	11 20	31	2 20	8 50al
16	9 00	. .			

FEBRUARY.

D	First	Second	D	First	Second
1	3 15 l	9 00 a	17	3 06 l	11 25 a
2	3 47 l	10 00 a	18	3 37 l	1 08
3	4 10 l	11 30 a	19	4 05 l	2 30
4	4 30 l	1 00	20	4 31 l	3 35
5	4 45 l	2 10	21	4 55 l	4 37
6	5 00 l	3 12	22	5 21 l	5 32
7	5 13 l	4 08	23	5 47 l	6 28
8	5 32 l	5 03	24	6 13 l	7 28
9	5 54 l	5 58	25	6 35 l	8 37
10	6 18 l	6 58	26	6 52 l	10 02
11	6 43 l	8 03	27	7 00 l	11 55
12	7 19 l	9 23	28	6 50	. .
13	7 46 l	11 08			
14	8 10	. .			
15	1 15	8 43al			
16	2 23	9 37al			

MARCH.

D	First	Second	D	First	Second
1	1 30 l	6 40 a	17	1 12 l	10 26 a
2	2 20 l	6 55 a	18	1 57 l	12 17
3	2 51 l	8 35 a	19	2 32 l	1 48
4	3 08 l	11 00 a	20	3 02 l	2 53
5	3 25 l	1 12	21	3 30 l	3 46
6	3 38 l	2 36	22	3 56 l	4 42
7	3 52 l	3 31	23	4 24	5 34 l
8	4 10 l	4 17	24	5 00	6 29 l
9	4 30 l	5 07	25	5 25*	7 25
10	4 57 l	6 04	26	5 43 l	8 22
11	5 32 l	7 03	27	5 50 l	9 24
12	5 58 l	8 05	28	5 55	10 33 l
13	6 24 l	9 16	29	6 00	11 45 l
14	6 55 l	10 43	30	7 00	. .
15	7 30	. .	31	0 32 l	9 00 a
16	0 12 l	8 35 a			

APRIL.

D	First	Second	D	First	Second
1	1 05 l	11 00 a	17	1 22 l	2 05
2	1 32 l	12 35	18	1 53 l	3 05
3	1 52 l	1 45	19	2 28 l	4 03
4	2 10 l	2 41	20	3 07*	4 58
5	2 30 l	3 33	21	3 33	5 47 l
6	3 00	4 26 l	22	3 53	6 35 l
7	3 36	5 18 l	23	4 08	7 20 l
8	4 02	6 12 l	24	3 55	8 03 l
9	4 28	7 07 l	25	3 40	8 47 l
10	4 56	8 07 l	26	3 40	9 28 l
11	5 31*	9 08	27	4 05	10 10 l
12	6 12	10 10 l	28	5 30	10 45 l
13	7 23	11 12 l	29	8 00	11 18 l
14	9 15	. .	30	10 55	11 45 l
15	0 03 l	11 05 a			
16	0 45 l	12 52			

MAY.

D	First	Second	D	First	Second
1	. .	12 40	17	0 54 l	3 30
2	0 10 l	1 53	18	1 33 l	4 25
3	0 45 l	2 50	19	2 00 l	5 13
4	1 25 l	3 48	20	2 18	5 56 l
5	1 48*	4 40	21	2 00	6 33 l
6	2 13*	5 33	22	2 00	7 07 l
7	2 41*	6 23	23	2 10	7 37 l
8	3 15	7 13 l	24	2 30	8 07 l
9	4 00	8 01 l	25	3 29	8 38 l
10	4 50	8 50 l	26	4 30	9 08 l
11	6 10	9 36 l	27	6 20	9 34 l
12	7 55	10 22 l	28	8 50	10 01 l
13	9 40	11 02 l	29	10 55	10 26 l
14	11 35	11 38 l	30	12 40p	11 03 l
15	. .	1 13	31	2 15p	11 34 l
16	0 12 l	2 28			

JUNE.

D	First	Second	D	First	Second
1	3 22p	11 54 l	17	0 45	5 13 l
2	. .	4 17	18	0 55	5 48 l
3	0 20*	5 03	19	0 50	6 16 l
4	0 54	5 45 l	20	0 55	6 34 l
5	1 35	6 25 l	21	1 30	6 58 l
6	2 30	7 03 l	22	2 45	7 22 l
7	3 45	7 40 l	23	4 15	7 47 l
8	5 15	8 18 l	24	6 00	8 10 l
9	6 50	8 56 l	25	7 40	8 33 l
10	8 21	9 30 l	26	9 10	8 58 l
11	10 03	10 05 l	27	10 45	9 35 l
12	11 48	10 38 l	28	12 45p	10 00 l
13	1 27p	11 23 l	29	2 32p	10 25 l
14	. .	2 42	30	3 33p	10 51 l
15	0 02 l	3 42			
16	0 30 l	4 30			

High Tides

AT PORT TOWNSEND, WASH.

JULY.

D	First	Second	D	First	Second
1	4 22 p	11 30 l	17	. .	5 17
2	. .	5 02	18	0 20	5 32 l
3	0 20	5 33 l	19	2 00	5 48 l
4	1 40	6 00 l	20	3 30	6 07 l
5	3 10	6 32 l	21	4 35	6 28 l
6	4 31	7 03 l	22	5 38	6 48 l
7	5 50	7 35 l	23	6 37	7 10 l
8	7 05	8 06 l	24	7 47	7 35 l
9	8 26	8 38 l	25	9 08	8 01 l
10	10 02	9 08 l	26	10 45	8 32 l
11	11 56	9 50 l	27	12 55 p	9 05 l
12	1 35 p	10 32 l	28	2 25 p	9 35 l
13	2 46 p	11 05 l	29	3 25 p	10 30 l
14	3 40 p	11 40 l	30	3 55 p	11 50 l
15	4 20 pl	11 50	31	. .	4 25
16	4 51 pl	11 55			

AUGUST.

D	First	Second	D	First	Second
1	1 17	4 50 l	17	3 09	4 48 l
2	2 38	5 18 l	18	4 00	5 06 l
3	3 50	5 44 l	19	4 50	5 25 l
4	4 58	6 13 l	20	5 45	5 48 l
5	6 03	6 41 l	21	6 40	6 15 l
6	7 12	7 10 l	22	7 44	6 40 l
7	8 26	7 42 l	23	8 57	7 10 l
8	9 58	8 27 l	24	10 25	7 40 l
9	11 40	9 00 l	25	12 10 p	8 15 l
10	1 28 p	9 25 l	26	1 38 p	9 20 l
11	2 30 pl	9 50	27	2 25 pl	10 40
12	3 12 pl	10 30	28	. .	2 57
13	3 43 pl	11 50	29	0 40	3 27 l
14	. .	4 05	30	2 01	3 55 l
15	1 10	4 20 l	31	3 12	4 20 l
16	2 13	4 33 l			

SEPTEMBER.

D	First	Second	D	First	Second
1	4 12	4 48 l	17	4 52	4 20 l
2	5 05	5 20 l	18	5 45	4 50 l
3	6 07	5 45 l	19	6 40	5 17 l
4	7 10	6 22 l	20	7 40	5 40 l
5	8 21	6 53 l	21	8 48	6 05 l
6	9 47	7 10 l	22	10 07	6 38 l
7	11 25	7 10 l	23	11 25 l	7 40
8	12 50 pl	7 40	24	12 31 pl	9 40
9	1 50 pl	9 00	25	1 17 pl	11 40
10	2 20 pl	11 20	26	. .	1 53
11	. .	2 40	27	1 23	2 25 l
12	0 35	2 55 l	28	2 30	2 54 l
13	1 43	3 09 l	29	3 23	3 22 l
14	2 38	3 24 l	30	4 18	3 55 l
15	3 22	3 40 l			
16	4 02	3 57 l			

OCTOBER.

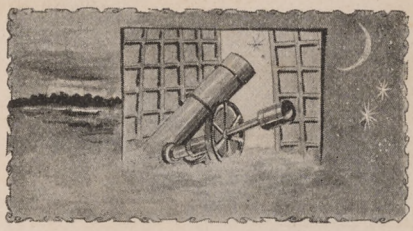
D	First	Second	D	First	Second
1	5 15	4 28 l	17	5 52 l	3 44
2	6 12 l	4 52	18	6 45 l	4 08
3	7 09 l	5 13	19	7 40 l	4 38
4	8 08 l	5 12	20	8 37 l	5 15
5	9 13 l	5 00	21	9 37 l	6 10
6	10 22 l	5 20	22	10 35 l	8 10
7	11 25 l	6 50	23	11 28 l	10 30
8	12 11 pl	8 50	24	. .	12 11
9	12 47 pl	10 55	25	0 25	12 48 l
10	. .	1 10	26	1 45	1 20 l
11	1 00	1 30 l	27	2 48	1 55 l
12	2 03	1 43 l	28	3 48	2 30 l
13	2 40	2 02 l	29	4 40	3 03 l
14	3 25	2 30 l	30	5 32 l	3 27
15	4 12	3 00 l	31	6 20 l	3 42
16	5 01	3 24 l			

NOVEMBER.

D	First	Second	D	First	Second
1	7 06 l	3 50	17	7 33 l	4 08
2	7 50 l	3 50	18	8 17 l	5 25
3	8 32 l	4 00	19	9 02 l	7 03
4	9 15 l	6 00	20	9 47 l	9 00
5	9 55 l	8 00	21	10 28 l	11 00
6	10 33 l	10 00	22	11 06	. .
7	11 02 l	11 30	23	0 47	11 42 al
8	11 27	. .	24	2 10	12 25 l
9	0 50	11 50 al	25	3 16	1 05 l
10	2 07	12 25 l	26	4 10	1 40 l
11	2 57	12 55 l	27	4 58 l	2 07
12	3 45	1 18 l	28	5 42 l	2 30
13	4 30	1 40 l	29	6 20 l	2 30
14	5 17	2 08 l	30	6 53 l	2 20
15	6 02 l	2 42			
16	6 47 l	3 20			

DECEMBER.

D	First	Second	D	First	Second
1	7 19 l	2 40	17	7 45 l	6 11
2	7 47 l	3 30	18	8 20 l	7 37
3	8 18 l	4 50	19	8 55 l	9 13
4	8 47 l	6 50	20	9 30 l	11 08
5	9 11 l	8 50	21	10 04	. .
6	9 35 l	10 45	22	1 09	10 52 al
7	9 57	. .	23	2 28	11 35 al
8	0 20	10 30 al	24	3 30	12 15 l
9	2 10	11 00 al	25	4 17 l	12 50
10	3 28	11 20 al	26	4 58 l	1 25
11	4 13	11 50 al	27	5 33 l	2 00
12	4 53	12 28 l	28	6 02 l	2 30
13	5 28 l	1 18	29	6 19 l	3 20
14	6 00 l	2 15	30	6 41 l	4 05
15	6 33 l	3 30	31	7 02 l	5 00
16	7 08 l	4 50			



ECLIPSES, 1898.

There will be six Eclipses this year; three of each, the Sun and Moon, as follows:

I. A Partial Eclipse of the Moon, Jan. 7, visible in North and South America, Europe, Asia, and Africa. Size, 1.88 digits. New-York, begins, 6.52 p. m.; middle, 7.39 p. m.; ends, 8.27 p. m.

II. A Total Eclipse of the Sun, Jan. 22, invisible in America.

III. A Partial Eclipse of the Moon, July 3, invisible in America.

IV. An Annular Eclipse of the Sun, July 18, invisible in North America.

V. A Partial Eclipse of the Sun, Dec. 12–13, visible in the Antarctic regions.

VI. A Total Eclipse of the Moon, Dec. 27–28, visible throughout North America except on the Atlantic coast. In the Middle and Western States the moon will rise more or less eclipsed.

MORNING STARS.

MERCURY, Jan. 6 to March 16, May 1 to June 30, Sept. 5 to Oct. 19, and after Dec. 21. VENUS, until Feb. 15 and after Dec. 1. MARS, until Oct. 17. JUPITER, after Oct. 13. SATURN, until March 2.

EVENING STARS.

MERCURY, until Jan. 6, and from March 16 to May 1, June 30 to Sept. 5, and Oct. 19 to Dec. 21. VENUS, from Feb. 15 to Dec. 1. MARS, after Oct. 17. JUPITER, until Oct. 13. SATURN, after March 2.

PLANETS BRIGHTEST.

MERCURY, Feb. 4 and Sept. 24, *rising shortly before the sun;* also April 7 and Dec. 1, *setting soon after the sun.* VENUS, Oct. 27. MARS, not this year. JUPITER, March 25. SATURN, May 30. URANUS, May 22. NEPTUNE, Dec. 15.

MOVABLE FEASTS.

Septuagesima Sunday	Feb. 6	Palm Sunday	Apr, 3
Sexagesima Sunday	" 13	Good Friday	" 8
Quinquagesima Sunday	" 20	Easter Sunday	" 10
Shrove Tuesday	" 22	Rogation Sunday	May 15
Ash Wednesday	" 23	Ascension Thursday	" 19
Quadragesima Sunday	" 27	Whit-Sun. (Pentecost)	" 29
Mid-Lent Sunday	Mch. 20	Trinity Sunday	June 5
Passion Sunday	" 27	Corpus Christi	" 9
Advent Sunday	Nov. 27		

CHRONOLOGICAL CYCLES.

Dominical Letter	B	Roman Indiction	11
Epact	7	Julian Period	6611
Lunar Cycle (Golden No.)	18	Dionysian Period	227
Solar-Cycle	3	Jewish Lunar Cycle	15

Mohammedan Era, year 1316, begins May 22.

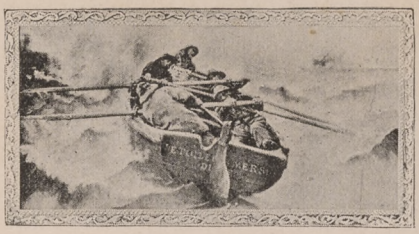
Jewish Era, year 5659, begins at sunset, September 16.

JANUARY 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 7 D.	7 H. 24 M.	6 H. 24 M.	5 H. 24 M.
Last Quarter. 15 D.	10 H. 44 M.	9 H. 44 M.	8 H. 44 M.
New Moon .. 22 D.	2 H. 25 M.	1 H. 25 M.	0 H. 25 M.
First Quarter. 29 D.	9 H. 33 M.	8 H. 33 M.	7 H. 33 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H.W. N. Y.	—	—	Sun rises	Sun sets	Moon sets	H.W. Bos'n
7 25	4 43	1 47	2 40	1	Sat.	7 30	4 38	1 50	5 45
7 25	4 44	2 49	3 36	2	**S.**	7 30	4 39	2 53	6 39
7 25	4 45	3 49	4 22	3	Mo.	7 30	4 40	3 54	7 33
7 25	4 46	4 47	5 18	4	Tu.	7 30	4 41	4 53	8 28
7 25	4 47	5 42	6 15	5	We.	7 30	4 42	5 48	9 20
7 25	4 48	6 32	7 8	6	Th.	7 29	4 43	6 38	10 9
7 25	4 49	rises	7 58	7	Fri.	7 29	4 44	rises	10 56
7 24	4 50	5 36	8 38	8	Sat.	7 29	4 45	5 32	11 57
7 24	4 51	6 40	9 20	9	**S.**	7 29	4 46	6 37	ev. 17
7 24	4 52	7 44	10 1	10	Mo.	7 29	4 47	7 41	57
7 24	4 53	8 47	10 39	11	Tu.	7 29	4 48	8 46	1 35
7 23	4 54	9 53	11 15	12	We.	7 28	4 50	9 53	2 14
7 23	4 55	10 58	11 53	13	Th.	7 28	4 51	11 0	2 54
7 23	4 56	morn.	ev. 36	14	Fri.	7 28	4 52	morn.	3 38
7 22	4 57	8	1 24	15	Sat.	7 27	4 53	10	4 29
7 22	4 59	1 20	2 20	16	**S.**	7 27	4 54	1 24	5 31
7 21	5 0	2 35	3 26	17	Mo.	7 26	4 55	2 41	6 41
7 21	5 1	3 50	4 39	18	Tu.	7 26	4 56	3 56	7 53
7 21	5 2	4 59	5 53	19	We.	7 25	4 58	5 6	9 2
7 20	5 3	6 1	7 5	20	Th.	7 24	4 59	6 7	10 7
7 19	5 4	6 51	8 7	21	Fri.	7 24	5 0	6 56	11 4
7 18	5 5	sets	8 56	22	Sat.	7 23	5 1	sets	11 51
7 17	5 7	7 5	9 32	23	**S.**	7 22	5 3	7 3	morn.
7 17	5 8	8 17	10 23	24	Mo.	7 22	5 4	8 16	36
7 16	5 9	9 24	11 2	25	Tu.	7 21	5 5	9 24	1 19
7 16	5 10	10 29	11 39	26	We.	7 20	5 6	10 31	2 0
7 15	5 11	11 34	morn.	27	Th.	7 19	5 8	11 37	2 40
7 14	5 13	morn.	19	28	Fri.	7 18	5 9	morn.	3 22
7 13	5 14	37	1 8	29	Sat.	7 17	5 10	41	4 9
7 12	5 15	1 39	1 58	30	**S.**	7 16	5 12	1 44	5 0
7 12	5 16	2 38	2 55	31	Mo.	7 15	5 13	2 44	5 57

Heavy figures, 12 noon to 12 midnight.



FEBRUARY 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 6 D.	1 H. 24 M.	0 H. 24 M.	11 H. 24 (5)
Last Quarter. 13 D.	7 H. 35 M.	6 H. 35 M.	5 H. 35 M.
New Moon .. 20 D.	2 H. 42 M.	1 H. 42 M.	0 H. 42 M.
First Quarter. 28 D.	6 H. 13 M.	5 H. 13 M.	4 H. 13 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H.W. N. Y.			Sun rises	Sun sets	Moon sets	H.W. Bos'n
7 11	5 18	3 35	3 56	1	Tu.	7 14	5 14	3 41	7 9
7 10	5 19	4 27	4 54	2	We.	7 13	5 15	4 34	7 58
7 9	5 20	5 13	5 50	3	Th.	7 12	5 16	5 19	8 53
7 7	5 21	5 52	6 41	4	Fri.	7 11	5 18	5 57	9 43
7 6	5 22	6 26	7 27	5	Sat.	7 10	5 19	6 30	10 31
7 5	5 23	rises	8 6	6	S.	7 9	5 21	rises	11 9
7 4	5 25	6 39	8 47	7	Mo.	7 8	5 22	6 37	11 51
7 3	5 26	7 45	9 25	8	Tu.	7 6	5 23	7 44	ev. 27
7 2	5 27	8 50	10 10	9	We.	7 5	5 24	8 51	1 6
7 1	5 28	9 59	10 40	10	Th.	7 4	5 25	10 2	1 46
7 0	5 30	11 10	11 22	11	Fri.	7 2	5 26	11 13	2 28
6 58	5 31	morn.	ev. 13	12	Sat.	7 1	5 28	morn.	3 15
6 57	5 32	25	1 10	13	S.	7 0	5 29	29	4 11
6 56	5 34	1 37	2 15	14	Mo.	6 59	5 30	1 42	5 17
6 55	5 35	2 47	3 28	15	Tu.	6 57	5 32	2 53	6 30
6 53	5 36	3 49	4 41	16	We.	6 56	5 33	3 55	7 44
6 52	5 37	4 42	5 51	17	Th.	6 54	5 35	4 47	8 54
6 51	5 39	5 23	6 50	18	Fri.	6 53	5 36	5 28	9 52
6 49	5 40	5 57	7 38	19	Sat.	6 52	5 38	6 1	10 43
6 48	5 41	sets	8 21	20	S.	6 50	5 39	sets	11 27
6 46	5 43	7 2	9 4	21	Mo.	6 48	5 40	7 2	morn.
6 45	5 44	8 10	9 42	22	Tu.	6 47	5 42	8 11	6
6 44	5 45	9 17	10 20	23	We.	6 45	5 43	9 19	44
6 42	5 46	10 21	10 59	24	Th.	6 44	5 45	10 24	1 24
6 41	5 48	11 25	11 44	25	Fri.	6 42	5 46	11 29	2 4
6 39	5 49	morn.	morn.	26	Sat.	6 41	5 47	morn.	2 47
6 38	5 50	25	31	27	S.	6 39	5 49	31	3 33
6 37	5 51	1 24	1 24	28	Mo.	6 38	5 50	1 30	4 25

MARCH 1898

MOON'S PHASES.		East. Time.	Cent. Time.	West. Time.
Full Moon...	8 D.	4 H. 29 M.	3 H. 29 M.	2 H. 29 M.
Last Quarter.	15 D.	2 H. 48 M.	1 H. 48 M.	0 H. 48 M.
New Moon ..	22 D.	3 H. 37 M.	2 H. 37 M.	1 H. 37 M.
First Quarter.	30 D.	2 H. 40 M.	1 H. 40 M.	0 H. 40 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H.W. N. Y.			Sun rises	Sun sets	Moon sets	H.W. Bos'n
6 35	5 53	2 17	2 20	1	Tu.	6 36	5 51	2 23	5 22
6 34	5 53	3 6	3 23	2	We.	6 35	5 52	3 12	6 25
6 32	5 54	3 49	4 22	3	Th.	6 33	5 53	3 54	7 25
6 30	5 55	4 24	5 18	4	Fri.	6 31	5 54	4 29	8 21
6 29	5 56	4 55	6 10	5	Sat.	6 30	5 55	4 59	9 12
6 27	5 57	5 23	6 56	6	S.	6 28	5 56	5 26	9 58
6 25	5 58	5 47	7 35	7	Mo.	6 26	5 57	5 49	10 40
6 24	5 59	rises	8 13	8	Tu.	6 25	5 58	rises	11 19
6 22	6 0	7 48	8 54	9	We.	6 23	5 59	7 49	11 56
6 20	6 1	9 0	9 36	10	Th.	6 21	6 0	9 3	ev. 38
6 19	6 2	10 12	10 20	11	Fri.	6 20	6 2	10 17	1 23
6 17	6 3	11 27	11 4	12	Sat.	6 18	6 3	11 32	2 9
6 16	6 4	morn.	12 0	13	S.	6 16	6 4	morn.	3 3
6 14	6 5	38	ev. 63	14	Mo.	6 14	6 5	44	4 4
6 12	6 6	1 43	2 12	15	Tu.	6 13	6 6	1 49	5 14
6 11	6 8	2 37	3 24	16	We.	6 11	6 7	2 43	6 26
6 9	6 9	3 21	4 33	17	Th.	6 9	6 9	3 26	7 36
6 7	6 10	3 57	5 34	18	Fri.	6 7	6 10	4 1	8 37
6 6	6 11	4 27	6 27	19	Sat.	6 6	6 11	4 30	9 29
6 4	6 12	4 54	7 12	20	S.	6 4	6 12	4 56	10 15
6 2	6 13	5 18	7 51	21	Mo.	6 2	6 13	5 18	10 57
6 1	6 14	sets	8 31	22	Tu.	6 0	6 14	sets	11 36
5 59	6 15	8 3	9 12	23	We.	5 59	6 15	8 6	morn.
5 58	6 16	9 8	9 51	24	Th.	5 57	6 16	9 12	13
5 56	6 17	10 11	10 31	25	Fri.	5 55	6 17	10 16	53
5 54	6 18	11 11	11 12	26	Sat.	5 53	6 18	11 17	1 35
5 52	6 19	morn.	morn.	27	S.	5 52	6 19	morn.	2 18
5 51	6 20	7	2	28	Mo.	5 50	6 20	14	3 5
5 49	6 21	57	53	29	Tu.	5 48	6 21	1 4	3 54
5 47	6 22	1 42	1 49	30	We.	5 46	6 22	1 48	4 51
5 45	6 23	2 19	2 47	31	Th.	5 44	6 23	2 25	5 49

APRIL 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 6 D.	4 H. 19 M.	3 H. 19 M.	2 H. 19 M.
Last Quarter. 13 D.	9 H. 28 M.	8 H. 28 M.	7 H. 28 M.
New Moon .. 20 D.	5 H. 21 M.	4 H. 21 M.	3 H. 21 M.
First Quarter. 28 D.	9 H. 5 M.	8 H. 5 M.	7 H. 5 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y.			Sun rises	Sun sets	Moon sets	H. W. Bos'n
5 44	6 24	2 52	3 44	1	Fri.	5 43	6 25	2 57	6 47
5 42	6 26	3 22	4 38	2	Sat.	5 41	6 27	3 25	7 41
5 41	6 27	3 48	5 30	3	S.	5 40	6 28	3 50	8 33
5 39	6 28	4 13	6 19	4	Mo.	5 38	6 29	4 14	9 21
5 37	6 29	4 37	7 3	5	Tu.	5 36	6 30	4 37	10 5
5 36	6 30	rises	7 45	6	We.	5 35	6 31	rises	10 50
5 34	6 31	7 54	8 26	7	Th.	5 33	6 32	7 58	11 31
5 33	6 32	9 11	9 16	8	Fri.	5 31	6 33	9 16	ev. 17
5 31	6 33	10 25	10 5	9	Sat.	5 30	6 34	10 31	1 7
5 30	6 34	11 34	10 55	10	S.	5 28	6 36	11 41	2 1
5 28	6 35	morn.	11 55	11	Mo.	5 26	6 37	morn.	2 58
5 26	6 36	33	ev. 60	12	Tu.	5 25	6 38	39	4 1
5 25	6 37	1 20	2 5	13	We.	5 23	6 39	1 25	5 8
5 24	6 38	1 59	3 9	14	Th.	5 21	6 40	2 3	6 11
5 22	6 39	2 29	4 12	15	Fri.	5 20	6 41	2 32	7 15
5 20	6 40	2 57	5 7	16	Sat.	5 18	6 42	2 59	8 10
5 19	6 41	3 21	5 56	17	S.	5 16	6 43	3 21	8 58
5 17	6 42	3 46	6 41	18	Mo.	5 15	6 45	3 46	9 43
5 16	6 43	4 31	7 23	19	Tu.	5 13	6 46	4 33	10 27
5 14	6 44	sets	8 0	20	We.	5 12	6 47	sets	11 5
5 13	6 45	7 57	8 42	21	Th.	5 10	6 48	8 2	11 45
5 11	6 46	8 59	9 25	22	Fri.	5 9	6 49	9 5	morn.
5 10	6 47	9 56	10 8	23	Sat.	5 7	6 50	10 2	27
5 8	6 48	10 50	10 48	24	S.	5 6	6 51	10 56	1 10
5 7	6 49	11 37	11 35	25	Mo.	5 4	6 52	11 43	1 54
5 6	6 50	morn.	morn.	26	Tu.	5 3	6 53	morn.	2 39
5 4	6 51	17	24	27	We.	5 1	6 55	22	3 26
5 3	6 52	53	1 16	28	Th.	5 0	6 56	57	4 17
5 2	6 53	1 22	2 8	29	Fri.	4 58	6 57	1 25	5 10
5 0	6 55	1 47	3 1	30	Sat.	4 57	6 58	1 49	6 3

MAY 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 6 D.	1 H. 34 M.	0 H. 34 M.	11 H. 34 (5)
Last Quarter. 12 D.	4 H. 36 M.	3 H. 36 M.	2 H. 36 M.
New Moon .. 20 D.	7 H. 58 M.	6 H. 58 M.	5 H. 58 M.
First Quarter. 28 D.	0 H. 14 M.	11 H. 14 M.	10 H. 14 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill. MEAN TIME. Sun rises	Sun sets	Moon sets	STAN. TIME. H.W. N. Y.	D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon. MEAN TIME. Sun rises	Sun sets	Moon sets	STAN. TIME. H.W. Bos'n
4 59	6 56	2 13	3 55	1	S.	4 56	7 0	2 14	6 54
4 58	6 57	2 36	4 46	2	Mo.	4 54	7 1	2 36	7 40
4 56	6 58	3 1	5 38	3	Tu.	4 53	7 2	3 0	8 41
4 55	6 59	3 29	6 29	4	We.	4 52	7 3	3 27	9 31
4 54	7 0	3 59	7 18	5	Th.	4 51	7 4	3 56	10 21
4 53	7 1	rises	8 6	6	Fri.	4 49	7 5	rises	11 11
4 52	7 2	9 19	9 0	7	Sat.	4 48	7 6	9 25	ev. 2
4 51	7 3	10 24	9 55	8	S.	4 47	7 7	10 30	57
4 49	7 4	11 17	10 49	9	Mo.	4 46	7 8	11 22	1 55
4 48	7 5	11 57	11 48	10	Tu.	4 44	7 9	morn.	2 51
4 47	7 6	morn.	ev. 46	11	We.	4 43	7 10	2	3 47
4 46	7 7	32	1 44	12	Th.	4 42	7 11	35	4 45
4 45	7 8	1 2	2 43	13	Fri.	4 41	7 12	1 4	5 45
4 44	7 9	1 26	3 38	14	Sat.	4 40	7 13	1 27	6 41
4 43	7 10	1 50	4 31	15	S.	4 39	7 14	1 49	7 34
4 42	7 11	2 14	5 22	16	Mo.	4 38	7 15	2 13	8 25
4 41	7 12	2 38	6 9	17	Tu.	4 37	7 16	2 35	9 11
4 40	7 13	3 8	6 54	18	We.	4 36	7 17	3 4	9 56
4 39	7 14	3 40	7 36	19	Th.	4 35	7 18	3 35	10 41
4 39	7 15	sets	8 17	20	Fri.	4 34	7 19	sets	11 23
4 38	7 16	8 44	9 3	21	Sat.	4 33	7 20	8 50	morn.
4 37	7 17	9 34	9 46	22	S.	4 32	7 21	9 40	5
4 36	7 18	10 15	10 27	23	Mo.	4 31	7 22	10 20	48
4 36	7 19	10 51	11 9	24	Tu.	4 31	7 23	10 56	1 31
4 35	7 20	11 23	11 53	25	We.	4 30	7 24	11 27	2 14
4 34	7 20	11 50	morn.	26	Th.	4 29	7 25	11 53	2 56
4 34	7 21	morn.	38	27	Fri.	4 29	7 26	morn.	3 40
4 33	7 22	14	1 25	28	Sat.	4 28	7 27	16	4 26
4 32	7 23	38	2 14	29	S.	4 27	7 28	38	5 16
4 32	7 23	1 2	3 7	30	Mo.	4 27	7 28	1 1	6 9
4 31	7 24	1 27	4 2	31	Tu.	4 26	7 29	1 25	7 5

JUNE 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 4 D.	9 H. 11 M.	8 H. 11 M.	7 H. 11 M.
Last Quarter. 11 D.	1 H. 4 M.	0 H. 4 M.	11 H. 4 (10)
New Moon .. 18 D.	11 H. 19 M.	10 H. 19 M.	9 H. 19 M.
First Quarter. 26 D.	11 H. 54 M.	10 H. 54 M.	9 H. 54 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H.W. N. Y.	—	—	Sun rises	Sun sets	Moon sets	H.W. Bos'n
4 31	7 24	1 55	4 58	1	We.	4 25	7 30	1 53	8 2
4 30	7 25	2 29	5 59	2	Th.	4 25	7 30	2 25	9 1
4 30	7 26	3 13	6 58	3	Fri.	4 25	7 31	3 7	10 0
4 30	7 26	rises	7 53	4	Sat.	4 24	7 32	rises	10 59
4 29	7 27	9 4	8 50	5	S.	4 24	7 32	9 10	11 52
4 29	7 28	9 53	9 47	6	Mo.	4 24	7 33	9 58	ev. 49
4 29	7 28	10 31	10 38	7	Tu.	4 23	7 33	10 35	1 44
4 29	7 29	11 2	11 30	8	We.	4 23	7 34	11 5	2 35
4 28	7 30	11 30	ev. 22	9	Th.	4 23	7 35	11 31	3 24
4 28	7 30	11 55	1 3	10	Fri.	4 23	7 36	11 55	4 14
4 28	7 31	morn.	2 6	11	Sat.	4 22	7 36	morn.	5 8
4 28	7 31	19	3 0	12	S.	4 22	7 37	18	6 2
4 28	7 32	44	3 50	13	Mo.	4 22	7 37	42	6 53
4 28	7 32	1 10	4 43	14	Tu.	4 22	7 38	1 7	7 46
4 28	7 32	1 40	5 38	15	We.	4 22	7 38	1 36	8 41
4 28	7 33	2 17	6 29	16	Th.	4 22	7 38	2 12	9 31
4 28	7 33	2 57	7 15	17	Fri.	4 22	7 39	2 51	10 18
4 28	7 33	sets	7 57	18	Sat.	4 22	7 39	sets	11 2
4 28	7 34	8 13	8 41	19	S.	4 22	7 39	8 18	11 44
4 29	7 34	8 52	9 24	20	Mo.	4 23	7 40	8 57	morn.
4 29	7 34	9 25	10 18	21	Tu.	4 23	7 40	9 30	26
4 29	7 34	9 54	10 56	22	We.	4 23	7 40	9 57	1 7
4 29	7 34	10 18	11 36	23	Th.	4 23	7 40	10 20	1 47
4 29	7 34	10 41	morn.	24	Fri.	4 23	7 40	10 42	2 25
4 30	7 35	11 5	19	25	Sat.	4 24	7 41	11 4	3 4
4 30	7 35	11 28	1 2	26	S.	4 24	7 41	11 27	3 46
4 30	7 35	11 54	1 50	27	Mo.	4 24	7 41	11 52	4 35
4 31	7 35	morn.	2 27	28	Tu.	4 25	7 40	morn.	5 29
4 31	7 35	25	3 26	29	We.	4 25	7 40	21	6 28
4 32	7 35	1 1	4 31	30	Th.	4 26	7 40	56	7 34

JULY 1898

MOON'S PHASES.		East. Time.	Cent. Time.	West. Time.
Full Moon...	3 D.	4 H. 12 M.	3 H. 12 M.	2 H. 12 M.
Last Quarter.	10 D.	11 H. 43 M.	10 H. 43 M.	9 H. 43 M.
New Moon ..	18 D.	2 H. 47 M.	1 H. 47 M.	0 H. 47 M.
First Quarter.	26 D.	8 H. 40 M.	7 H. 40 M.	6 H. 40 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H.W. N. Y.	—	—	Sun rises	Sun sets	Moon sets	H.W. Bos'n
4 32	7 35	1 49	5 39	1	Fri.	4 26	7 40	1 43	8 42
4 32	7 35	2 49	6 45	2	Sat.	4 26	7 40	2 43	9 47
4 33	7 34	rises	7 45	3	S.	4 27	7 40	rises	10 50
4 33	7 34	8 24	8 39	4	Mo.	4 28	7 40	8 29	11 42
4 34	7 34	9 1	9 32	5	Tu.	4 29	7 39	9 4	ev. 34
4 35	7 34	9 30	10 21	6	We.	4 29	7 39	9 31	1 24
4 35	7 33	9 57	11 4	7	Th.	4 30	7 39	9 57	2 9
4 36	7 33	10 22	11 50	8	Fri.	4 30	7 38	10 21	2 53
4 37	7 33	10 48	ev. 36	9	Sat.	4 31	7 38	10 46	3 38
4 37	7 32	11 14	1 26	10	S.	4 32	7 38	11 11	4 27
4 38	7 32	11 43	2 18	11	Mo.	4 33	7 37	11 39	5 20
4 39	7 31	morn.	3 13	12	Tu.	4 33	7 37	morn.	6 15
4 39	7 31	18	4 13	13	We.	4 34	7 36	12	7 16
4 40	7 30	57	5 10	14	Th.	4 35	7 36	51	8 13
4 41	7 30	1 41	6 4	15	Fri.	4 36	7 35	1 35	9 6
4 42	7 29	2 32	6 54	16	Sat.	4 37	7 34	2 26	9 56
4 43	7 29	3 30	7 38	17	S.	4 37	7 34	3 24	10 43
4 44	7 28	sets	8 16	18	Mo.	4 38	7 33	sets	11 22
4 44	7 27	7 56	8 58	19	Tu.	4 39	7 32	8 0	12 0
4 45	7 26	8 23	9 36	20	We.	4 40	7 31	8 25	morn.
4 46	7 26	8 47	10 12	21	Th.	4 41	7 30	8 48	38
4 47	7 25	9 10	10 46	22	Fri.	4 42	7 30	9 10	1 15
4 48	7 24	9 33	11 26	23	Sat.	4 43	7 29	9 32	1 52
4 48	7 23	9 58	morn.	24	S.	4 44	7 28	9 56	2 30
4 49	7 23	10 25	10	25	Mo.	4 45	7 27	10 22	3 12
4 50	7 22	10 59	1 1	26	Tu.	4 46	7 26	10 55	4 2
4 51	7 21	11 40	1 56	27	We.	4 47	7 25	11 35	4 58
4 52	7 20	morn.	3 5	28	Th.	4 48	7 24	morn.	6 6
4 53	7 19	31	4 16	29	Fri.	4 49	7 23	25	7 19
4 54	7 18	1 35	5 29	30	Sat.	4 50	7 22	1 29	8 32
4 55	7 17	2 50	6 36	31	S.	4 51	7 21	2 43	9 38

AUGUST 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 1 D.	11 H. 29 M.	10 H. 29 M.	9 H. 29 M.
Last Quarter. 9 D.	1 H. 13 M.	0 H. 13 M.	11 H. 13 (16)
New Moon .. 17 D.	5 H. 34 M.	4 H. 34 M.	3 H. 34 M.
First Quarter. 24 D.	3 H. 32 M.	2 H. 32 M.	1 H. 32 M.
Full Moon... 31 D.	7 H. 51 M.	6 H. 51 M.	5 H. 51 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H.W. N. Y.			Sun rises	Sun sets	Moon rises	H.W. Bos'n
4 56	7 16	6 0	7 34	1	Mo.	4 52	7 20	6 0	10 38
4 57	7 14	7 28	8 22	2	Tu.	4 53	7 18	7 31	11 28
4 58	7 13	7 57	9 11	3	We.	4 54	7 17	7 58	ev. 12
4 59	7 12	8 24	9 55	4	Th.	4 55	7 16	8 24	57
5 0	7 11	8 49	10 33	5	Fri.	4 56	7 15	8 48	1 39
5 1	7 10	9 15	11 15	6	Sat.	4 57	7 14	9 13	2 21
5 2	7 9	9 44	ev. 2	7	S.	4 58	7 12	9 41	3 5
5 3	7 7	10 17	50	8	Mo.	4 59	7 11	10 12	3 51
5 4	7 6	10 55	1 43	9	Tu.	5 0	7 10	10 49	4 44
5 5	7 5	11 37	2 43	10	We.	5 1	7 8	11 31	5 44
5 6	7 4	morn.	3 42	11	Th.	5 2	7 7	morn.	6 45
5 7	7 2	26	4 40	12	Fri.	5 3	7 6	20	7 43
5 8	7 1	1 21	5 37	13	Sat.	5 4	7 4	1 15	8 40
5 9	7 0	2 18	6 28	14	S.	5 5	7 3	2 14	9 30
5 10	6 58	3 19	7 11	15	Mo.	5 6	7 1	3 15	10 14
5 11	6 57	4 20	7 49	16	Tu.	5 7	7 0	4 17	10 55
5 12	6 55	sets	8 26	17	We.	5 8	6 58	sets	11 31
5 13	6 54	7 15	9 5	18	Th.	5 10	6 57	7 15	morn.
5 14	6 53	7 38	9 43	19	Fri.	5 11	6 55	7 38	6
5 15	6 51	8 4	10 21	20	Sat.	5 12	6 54	8 2	45
5 16	6 50	8 31	10 58	21	S.	5 13	6 52	8 28	1 24
5 17	6 48	9 0	11 45	22	Mo.	5 14	6 51	8 56	2 3
5 17	6 47	9 38	morn.	23	Tu.	5 15	6 49	9 34	2 48
5 18	6 45	10 27	39	24	We.	5 16	6 48	10 21	3 41
5 19	6 44	11 22	1 42	25	Th.	5 17	6 46	11 16	4 43
5 20	6 42	morn.	2 52	26	Fri.	5 18	6 44	morn.	5 54
5 21	6 41	30	4 6	27	Sat.	5 19	6 43	24	7 9
5 22	6 39	1 44	5 18	28	S.	5 20	6 41	1 39	8 21
5 23	6 37	3 1	6 21	29	Mo.	5 21	6 39	2 57	9 23
5 24	6 36	4 18	7 14	30	Tu.	5 22	6 38	4 15	10 17
5 25	6 34	rises	7 57	31	We.	5 23	6 36	rises	11 12

SEPTEMBER 1898

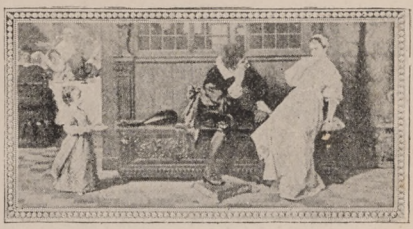
MOON'S PHASES.		East. Time.	Cent. Time.	West. Time.
Last Quarter.	7 D.	5 H. 51 M.	4 H. 51 M.	3 H. 51 M.
New Moon ..	15 D.	7 H. 10 M.	6 H. 10 M.	5 H. 10 M.
First Quarter.	22 D.	9 H. 39 M.	8 H. 39 M.	7 H. 39 M.
Full Moon...	29 D.	6 H. 10 M.	5 H. 10 M.	4 H. 10 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y.			Sun rises	Sun sets	Moon rises	H. W. Bos'n
5 26	6 33	6 48	8 42	1	Th.	5 24	6 35	6 47	11 45
5 27	6 31	7 15	9 24	2	Fri.	5 26	6 33	7 15	ev. 26
5 28	6 29	7 44	10 6	3	Sat.	5 27	6 31	7 41	1 8
5 29	6 28	8 16	10 45	4	S.	5 28	6 29	8 11	1 51
5 30	6 26	8 52	11 29	5	Mo.	5 29	6 28	8 47	2 37
5 31	6 25	9 34	ev. 19	6	Tu.	5 30	6 26	9 28	3 21
5 32	6 23	10 20	1 13	7	We.	5 31	6 24	10 14	4 14
5 33	6 21	11 13	2 10	8	Th.	5 32	6 22	11 7	5 12
5 34	6 20	morn.	3 9	9	Fri.	5 33	6 21	morn.	6 11
5 35	6 18	10	4 7	10	Sat.	5 34	6 19	5	7 10
5 36	6 16	1 9	5 4	11	S.	5 35	6 17	1 5	8 7
5 37	6 15	2 7	5 53	12	Mo.	5 36	6 15	2 4	8 55
5 38	6 13	3 10	6 38	13	Tu.	5 37	6 14	3 7	9 40
5 39	6 11	4 13	7 19	14	We.	5 38	6 12	4 12	10 22
5 40	6 9	sets	7 55	15	Th.	5 39	6 10	sets	11 1
5 41	6 8	6 7	8 34	16	Fri.	5 40	6 8	6 6	11 39
5 42	6 6	6 33	9 16	17	Sat.	5 41	6 7	6 31	morn.
5 43	6 4	7 3	9 56	18	S.	5 43	6 5	7 0	17
5 44	6 3	7 40	10 40	19	Mo.	5 44	6 3	7 35	58
5 45	6 1	8 24	11 32	20	Tu.	5 45	6 1	8 19	1 46
5 46	5 59	9 19	morn.	21	We.	5 46	6 0	9 13	2 36
5 47	5 58	10 22	31	22	Th.	5 47	5 58	10 16	3 33
5 48	5 56	11 30	1 37	23	Fri.	5 48	5 56	11 26	4 38
5 49	5 55	morn.	2 47	24	Sat.	5 49	5 54	morn.	5 49
5 50	5 53	46	3 57	25	S.	5 50	5 53	42	7 0
5 51	5 52	1 59	4 59	26	Mo.	5 51	5 51	1 56	8 3
5 52	5 50	3 13	5 58	27	Tu.	5 52	5 49	3 11	9 0
5 53	5 48	4 23	6 47	28	We.	5 53	5 47	4 22	9 49
5 54	5 46	rises	7 33	29	Th.	5 54	5 46	rises	10 37
5 54	5 44	5 42	8 9	30	Fri.	5 56	5 44	5 37	11 15

OCTOBER 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 7 D.	1 H. 5 M.	0 H. 5 M.	11 H. 5 M.
New Moon .. 15 D.	7 H. 37 M.	6 H. 37 M.	5 H. 37 M.
First Quarter. 22 D.	4 H. 9 M.	3 H. 9 M.	2 H. 9 M.
Full Moon... 29 D.	7 H. 18 M.	6 H. 18 M.	5 H. 18 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H.W. N. Y.	—	—	Sun rises	Sun sets	Moon rises	H.W. Bos'n
5 56	5 40	6 13	8 54	1	Sat.	5 57	5 42	6 9	11 56
5 57	5 41	6 49	9 37	2	S.	5 58	5 40	6 44	ev. 39
5 58	5 39	7 28	10 20	3	Mo.	5 59	5 39	7 22	1 23
5 59	5 38	8 13	11 2	4	Tu.	6 0	5 37	8 7	2 7
6 0	5 36	9 4	11 51	5	We.	6 1	5 35	8 58	2 54
6 1	5 35	9 59	ev. 43	6	Th.	6 2	5 33	9 53	3 44
6 2	5 33	10 58	1 37	7	Fri.	6 3	5 32	10 53	4 38
6 3	5 31	11 56	2 32	8	Sat.	6 4	5 30	11 52	5 34
6 4	5 30	morn.	3 26	9	S.	6 6	5 28	morn.	6 28
6 5	5 28	57	4 20	10	Mo.	6 7	5 27	54	7 23
6 7	5 27	1 59	5 10	11	Tu.	6 8	5 25	1 57	8 13
6 8	5 25	3 2	5 58	12	We.	6 9	5 23	3 1	9 0
6 9	5 23	4 5	6 42	13	Th.	6 10	5 22	4 5	9 44
6 10	5 22	5 10	7 25	14	Fri.	6 11	5 20	5 11	10 29
6 11	5 20	sets	8 6	15	Sat.	6 13	5 19	sets	11 11
6 12	5 19	5 40	8 52	16	S.	6 14	5 17	5 35	11 54
6 13	5 17	6 21	9 42	17	Mo.	6 15	5 15	6 16	morn.
6 14	5 16	7 13	10 32	18	Tu.	6 16	5 14	7 7	44
6 15	5 14	8 14	11 25	19	We.	6 17	5 12	8 8	1 36
6 16	5 13	9 23	morn.	20	Th.	6 18	5 11	9 18	2 31
6 18	5 12	10 37	26	21	Fri.	6 20	5 9	10 33	3 28
6 19	5 10	11 49	1 29	22	Sat.	6 21	5 8	11 46	4 30
6 20	5 9	morn.	2 32	23	S.	6 22	5 6	morn.	5 34
6 21	5 7	1 2	3 36	24	Mo.	6 23	5 5	1 0	6 39
6 22	5 6	2 11	4 33	25	Tu.	6 24	5 3	2 10	7 36
6 23	5 4	3 20	5 28	26	We.	6 26	5 2	3 21	8 31
6 24	5 3	4 28	6 18	27	Th.	6 27	5 1	4 29	9 20
6 26	5 2	5 34	7 4	28	Fri.	6 28	4 59	5 37	10 6
6 27	5 1	rises	7 46	29	Sat.	6 29	4 57	rises	10 51
6 28	4 59	5 24	8 27	30	S.	6 31	4 57	5 19	11 32
6 29	4 58	6 7	9 14	31	Mo.	6 32	4 55	6 2	ev. 15



NOVEMBER 1898

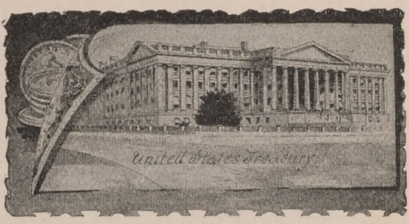
MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 6 D.	9 H. 28 M.	8 H. 28 M.	7 H. 28 M.
New Moon .. 13 D.	7 H. 20 M.	6 H. 20 M.	5 H. 20 M.
First Quarter. 20 D.	0 H. 5 M.	11 H. 5 M.	10 H. 5 M.
Full Moon... 27 D.	11 H. 39 M.	10 H. 39 M.	9 H. 39 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN TIME.
Sun rises	Sun sets	Moon rises	H.W. N. Y.	—		Sun rises	Sun sets	Moon rises	H.W. Bos'n
6 30	4 57	6 56	9 56	1	Tu.	6 33	4 54	6 50	ev. 54
6 31	4 56	7 49	10 38	2	We.	6 34	4 53	7 44	1 44
6 32	4 54	8 48	11 23	3	Th.	6 36	4 51	8 42	2 29
6 34	4 53	9 45	ev. 11	4	Fri.	6 37	4 50	9 40	3 14
6 35	4 52	10 44	1 1	5	Sat.	6 38	4 49	10 40	4 2
6 36	4 51	11 44	1 49	6	S.	6 39	4 48	11 42	4 51
6 37	4 50	morn.	2 38	7	Mo.	6 41	4 47	morn.	5 40
6 38	4 49	46	3 30	8	Tu.	6 42	4 45	45	6 32
6 40	4 48	1 47	4 22	9	We.	6 43	4 44	1 47	7 25
6 41	4 47	2 50	5 13	10	Th.	6 44	4 43	2 51	8 16
6 42	4 46	3 59	6 5	11	Fri.	6 46	4 42	4 1	9 7
6 43	4 45	5 9	6 56	12	Sat.	6 47	4 41	5 13	9 58
6 44	4 44	sets	7 46	13	S.	6 48	4 40	sets	10 51
6 46	4 43	5 2	8 37	14	Mo.	6 49	4 39	4 56	11 44
6 47	4 42	6 2	9 31	15	Tu.	6 51	4 39	5 56	morn.
6 48	4 41	7 11	10 24	16	We.	6 52	4 38	7 6	33
6 49	4 40	8 20	11 17	17	Th.	6 53	4 37	8 15	1 28
6 50	4 39	9 39	morn.	18	Fri.	6 54	4 36	9 36	2 23
6 51	4 39	10 53	15	19	Sat.	6 56	4 35	10 51	3 17
6 53	4 38	morn.	1 11	20	S.	6 57	4 34	morn.	4 12
6 54	4 38	4	2 8	21	Mo.	6 58	4 34	2	5 10
6 55	4 37	1 11	3 5	22	Tu.	6 59	4 33	1 11	6 7
6 56	4 36	2 18	4 0	23	We.	7 0	4 32	2 19	7 3
6 57	4 36	3 24	4 53	24	Th.	7 2	4 32	3 27	7 57
6 58	4 35	4 30	5 46	25	Fri.	7 3	4 31	4 34	8 49
6 59	4 35	5 35	6 37	26	Sat.	7 4	4 31	5 39	9 39
7 0	4 35	rises	7 23	27	S.	7 5	4 30	rises	10 26
7 2	4 34	4 49	8 5	28	Mo.	7 6	4 30	4 43	11 10
7 3	4 34	5 41	8 50	29	Tu.	7 7	4 30	5 35	11 52
7 4	4 34	6 38	9 34	30	We.	7 8	4 29	6 33	ev. 36

DECEMBER 1898

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 6 D.	5 H. 5 M.	4 H. 5 M.	3 H. 5 M.
New Moon .. 13 D.	6 H. 43 M.	5 H. 43 M.	4 H. 43 M.
First Quarter. 19 D.	10 H. 21 M.	9 H. 21 M.	8 H. 21 M.
Full Moon... 27 D.	6 H. 39 M.	5 H. 39 M.	4 H. 39 M.

New-York City, Phil., Conn., New Jersey Penn., O., Ind., and Ill.				D. OF MONTH.	D. OF WEEK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H.W. N. Y.			Sun rises	Sun sets	Moon rises	H.W. Bos'n
7 5	4 34	7 35	10 17	1	Th.	7 10	4 29	7 31	1 20
7 6	4 33	8 34	10 55	2	Fri.	7 11	4 29	8 30	2 1
7 7	4 33	9 33	11 37	3	Sat.	7 12	4 28	9 30	2 41
7 8	4 33	10 33	ev. 20	4	S.	7 13	4 28	10 31	3 22
7 9	4 32	11 34	1 5	5	Mo.	7 14	4 28	11 33	4 6
7 10	4 32	morn.	1 51	6	Tu.	7 15	4 28	morn.	4 53
7 11	4 32	34	2 42	7	We.	7 16	4 28	34	5 44
7 12	4 32	1 38	3 36	8	Th.	7 17	4 28	1 40	6 39
7 13	4 32	2 45	4 32	9	Fri.	7 17	4 28	2 48	7 35
7 14	4 32	3 56	5 32	10	Sat.	7 18	4 28	4 0	8 35
7 15	4 32	5 10	6 33	11	S.	7 19	4 28	5 15	9 35
7 15	4 32	6 24	7 31	12	Mo.	7 20	4 28	6 29	10 35
7 16	4 33	sets	8 23	13	Tu.	7 21	4 28	sets	11 28
7 16	4 33	6 3	9 21	14	We.	7 22	4 28	5 57	morn.
7 17	4 33	7 21	10 14	15	Th.	7 22	4 29	7 17	23
7 18	4 33	8 38	11 2	16	Fri.	7 23	4 29	8 35	1 17
7 18	4 33	9 52	11 53	17	Sat.	7 24	4 29	9 50	2 7
7 19	4 34	11 2	morn.	18	S.	7 24	4 29	11 2	2 56
7 20	4 34	morn.	44	19	Mo.	7 25	4 30	morn.	3 45
7 20	4 35	11	1 36	20	Tu.	7 26	4 30	12	4 37
7 21	4 35	1 17	2 30	21	We.	7 26	4 31	1 19	5 32
7 21	4 36	2 23	3 25	22	Th.	7 26	4 31	2 26	6 27
7 22	4 37	3 27	4 22	23	Fri.	7 27	4 32	3 31	7 25
7 22	4 37	4 28	5 18	24	Sat.	7 27	4 32	4 34	8 21
7 23	4 38	5 28	6 13	25	S.	7 28	4 33	5 33	9 15
7 23	4 39	6 22	7 3	26	Mo.	7 28	4 33	6 28	10 5
7 23	4 39	rises	7 44	27	Tu.	7 28	4 34	rises	10 50
7 23	4 40	5 28	8 28	28	We.	7 29	4 35	5 23	11 33
7 24	4 40	6 26	9 12	29	Th.	7 29	4 36	6 22	ev. 13
7 24	4 41	7 26	9 50	30	Fri.	7 29	4 37	7 23	52
7 24	4 42	8 25	10 26	31	Sat.	7 30	4 37	8 23	1 30



INTEREST TABLES.

FOUR PER CENT.

TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	5	45
8 "	0	0	0	0	0	0	0	0	1	1	9	89
12 "	0	0	0	0	0	1	1	1	1	2	14	1.34
16 "	0	0	0	0	1	1	1	2	2	2	18	1.78
20 "	0	0	0	1	1	2	2	2	2	2	22	2.22
24 "	0	0	1	1	2	2	2	2	3	3	27	2.67
28 "	0	0	1	1	2	2	2	3	3	3	31	3.11
1 MO.	0	0	1	2	2	2	3	3	3	4	34	3.34
2 "	0	2	2	3	4	4	5	6	6	7	67	6.67
3 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
6 "	2	4	6	8	10	12	14	16	18	20	2 00	20.00
1 YR.	4	8	12	16	20	24	28	32	36	40	4.00	40.00

FIVE PER CENT.

TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	6	56
8 "	0	0	0	0	0	0	1	1	1	1	11	1.11
12 "	0	0	0	0	1	1	1	2	2	2	17	1.67
16 "	0	0	0	1	1	2	2	2	2	2	22	2.22
20 "	0	0	1	1	2	2	2	2	3	3	28	2.74
24 "	0	0	1	2	2	2	3	3	3	4	34	3.34
28 "	0	1	1	2	2	3	3	3	4	4	39	3.84
1 MO.	0	1	2	2	2	3	3	4	4	4	42	4.17
2 "	1	2	3	4	4	5	6	7	8	9	84	8.34
3 "	2	3	4	5	6	7	9	10	11	13	1.25	12.50
4 "	2	4	5	6	9	10	12	14	15	17	1.67	16.67
5 "	2	4	7	9	11	13	15	17	19	21	2.09	20.84
6 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
1 YR.	5	10	15	20	25	30	35	40	45	50	5.00	50.00

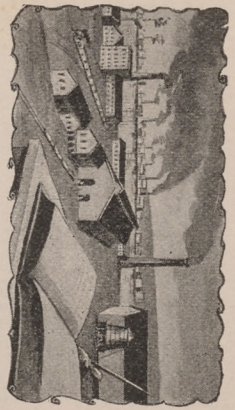
SIX PER CENT.

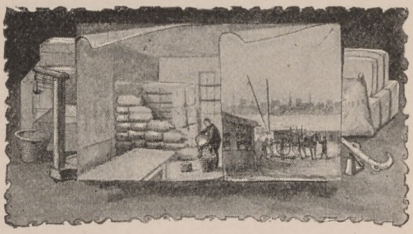
TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	2	3	3	3	33	3.33
24 "	1	1	1	2	2	2	3	3	4	4	40	4.00
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 MO.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
5 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 YR.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

TABLE OF WAGES BY THE WEEK.

Wages	Half hour.	One hour.	Two hours	Three hours	Four hours.	Five hours.	Six hours	Seven hours.	Eight hours.	Nine hours	One day.	Two days.	Three days.	Four days.	Five days.	Six days.
$3	.02½	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	1.00	1.50	2.00	2.50	3.00
4	.03⅓	.06⅔	.13⅓	.20	.26⅔	.33⅓	.40	.46⅔	.53⅓	.60	.66⅔	1.33⅓	2.00	2.66⅔	3.33⅓	4.00
5	.04⅙	.08⅓	.16⅔	.25	.33⅓	.41⅔	.50	.58⅓	.66⅔	.75	.83⅓	1.66⅔	2.50	3.33⅓	4.16⅔	5.00
6	.05 5	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.00	2.00	3.00	4.00	5.00	6.00
7	.05 6	.11⅔	.23⅓	.35	.46⅔	.58⅓	.70	.81⅔	.93⅓	1.05	1.16⅔	2.33⅓	3.50	4.66⅔	5.83⅓	7.00
8	.06⅔	.13⅓	.26⅔	.40	.53⅓	.66⅔	.80	.93⅓	1.06⅔	1.20	1.33⅓	2.66⅔	4.00	5.33⅓	6.66⅔	8 00
9	.07½	.15	.30	.45	.60	.75	.90	1.05	1.20	1.35	1.50	3.00	4.50	6.00	7.50	9.00
10	.08⅓	.16⅔	.33⅓	.50	.66⅔	.83⅓	1.00	1.16⅔	1.33⅓	1.50	1.66⅔	3.33⅓	5.00	6.66⅔	8.33⅓	10.00
11	.09⅙	.18⅓	.36⅔	.55	.73⅓	.91⅔	1.10	1.28⅓	1.46⅔	1.65	1.83⅓	3.66⅔	5.50	7.33⅓	9.16⅔	11.00
12	.10 5	.20	.40	.60	.80	1.00	1.20	1.40	1.60	1.80	2.00	4.00	6.00	8.00	10.00	12.00
13	.10 6	.21⅔	.43⅓	.65	.86⅔	1.08⅓	1.30	1.51⅔	1.73⅓	1.95	2.16⅔	4.33⅓	6.50	8.66⅔	10.83⅓	13.00
14	.11⅔	.23⅓	.46⅔	.70	.93⅓	1.16⅔	1.40	1.63⅓	1.86⅔	2.10	2.33⅓	4.66⅔	7.00	9.33⅓	11.66⅔	14.00
15	.12½	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	5.00	7.50	10.00	12.50	15.00
16	.13⅓	.26⅔	.53⅓	.80	1.06⅔	1.33⅓	1.60	1.86⅔	2.13⅓	2.40	2.66⅔	5.33⅓	8.00	10.66⅔	13.33⅓	16.00
17	.14⅙	.28⅓	.56⅔	.85	1.13⅓	1.41⅔	1.70	1.98⅓	2.26⅔	2.55	2.83⅓	5.66⅔	8.50	11.33⅓	14.16⅔	17.00
18	.15 5	.30	.60	.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00	6.00	9.00	12.00	15.00	18.00
19	.15 6	.31⅔	.63⅓	.95	1.26⅔	1.58⅓	1.90	2.21⅔	2.53⅓	2.85	3.16⅔	6.33⅓	9.50	12.66⅔	15.83⅓	19.00
20	.16⅔	.33⅓	.66⅔	1.00	1.33⅓	1.66⅔	2.00	2.33⅓	2.66⅔	3.00	3.33⅓	6.66⅔	10.00	13.33⅓	16.66⅔	20.00
24	.20	.40	.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00	8.00	12.00	16.00	20.00	24.00

This Table is based upon the usual calculation of 10 hours to a day.





WEIGHTS AND MEASURES.

MEASURES OF WEIGHT.—*Avoirdupois:* 1 pound equals 7000 grains; 16 drams, 1 ounce; 16 ounces, 1 pound; 112 pounds, 1 hundredweight; 20 hundredweight, 1 ton. *Troy:* 1 pound equals 5760 grains; 24 grains, 1 pennyweight; 20 pennyweights, 1 ounce; 12 ounces, 1 pound. *Apothecaries':* 1 pound equals 5760 grains; 20 grains, 1 scruple; 3 scruples, 1 dram; 8 drams, 1 ounce; 12 ounces, 1 pound. *Metric:* 1 kilogramme equals 1000 grammes, equals 2.2 Avoirdupois pounds.

MEASURES OF LENGTH.— *Customary:* 12 inches equal 1 foot; 16½ feet, 1 rod; 40 rods, 1 furlong; 8 furlongs, 1 statute mile; 1 statute mile, 5280 feet or 1760 yards; 1 marine league, 3 nautical miles; 1 fathom, 6 feet; 1 nautical mile equals 6080.2 feet. *Metric:* 1000 millimetres equal 1 metre; 1000 metres, 1 kilometre; 1 metre equals 39.37 inches.

SURFACE OR SQUARE MEASURE.— *Customary:* 144 square inches equal 1 square foot; 9 square feet, 1 square yard; 30.25 square yards, 1 square rod; 40 square rods, 1 square rood; 4 square roods, 1 acre; 640 acres, 1 square mile; 1 acre equals 208.7 feet square. *Metric:* 1 square metre equals 1 acre; 100 acres, 1 hectare; 1 hectare equals about 2.5 (2.47) acres.

SOLID OR CUBIC MEASURE.— *Customary:* 1728 cubic inches equal 1 cubic foot; 27 cubic feet, 1 cubic yard; 40 cubic feet of round timber, 1 ton; 50 cubic feet of hewn timber, 1 ton; 128 cubic feet of wood (4 feet by 4 feet by 8 feet), 1 cord; 24.75 cubic feet of stone, 1 perch—usually 16½ feet by 1½ feet by 1 foot, but varies greatly. *Metric:* 1000 cubic centimetres equal 1 litre, equals .946 quart.

LIQUID MEASURE.—English gallon equals 277.463 cubic inches; U. S. gallon equals 231 cubic inches; 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon.

DRY MEASURE.—1 bushel equals 2150.42 cubic inches; 2 pints, 1 quart; 4 quarts, 1 gallon; 2 gallons, 1 peck; 4 pecks, 1 bushel. *Metric:* 10 millilitres equal 1 centilitre; 10 centilitres, 1 decilitre; 10 decilitres, 1 litre; 1 litre, 1.06 quarts.

POUNDS PER BUSHEL.—The weight per bushel of different articles differs in different States. Revised Statutes of the U. S., Sec. 2919: "For the purpose of estimating the duties on importations of grain, the number of bushels shall be ascertained by weight instead of by measuring; and 60 pounds of wheat, 56 pounds of corn, 56 pounds of barley, 32 pounds of oats, 60 pounds of peas, and 40 pounds of buckwheat, avoirdupois weight, shall respectively be estimated as a bushel."

CAPACITY OF BOXES.

25 in. sq.,	11.66 in. deep	=	Approx.	1 wine barrel.
20 " "	9.10 " "	=	"	1 wine half barrel.
17 "x 14 in.	9.00 " "	=	"	1 bushel.
10 "x 12 "	9.00 " "	=	"	½ "
8 " sq.,	8.40 " "	=	"	1 peck.

COMPARATIVE YIELD

IN POUNDS PER ACRE.

Hops	442	Plums	2,000	Grass	7,000
Wheat	1,260	Cherries	2,000	Potatoes	7,500
Barley	1,600	Onions	2,800	Apples	8,000
Oats	1,840	Hay	4,000	Turnips	8,420
Peas	1,920	Pears	5,000	Cabbages	10,900
Beans	2,000	Carrots	6,800	Parsnips	11,200

PERCENTAGE OF NUTRITION IN VARIOUS ARTICLES OF FOOD.

Cucumbers	2	Boiled codfish	21	Rye bread	79
Melons	3	Potatoes	22½	Boiled beans	87
Turnips	4½	Fried veal	24	Boiled rice	88
Milk	7	Roast pork	24	Barley bread	88
Cabbage	7½	Roast poultry	26	Wheat bread	90
Currants	10	Beef	26	Baked corn br'd	91
Eggs	13	Grapes	27	Boiled barley	92
Beets	14	Plums	29	Butter	93
Apples	16	Broiled mutton	30	Boiled peas	93
Peaches	20	Oatmeal p'dge	75		

AGRICULTURAL PRODUCTIONS OF THE UNITED STATES.

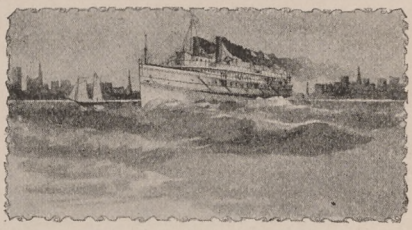
Barley, bushels.	72,760,000	Oats, bushels	661,035,000
Buckwheat, " .	11,000,000	Oranges, boxes.	7,000,000
Butter and cheese, tons	610,000	Peanuts, bush..	2,600,000
Cotton, bales ..	6,717,142	Potatoes, "	155,000,000
Flax, bushels ..	11,104,440	Rye, "	31,750,000
Hay, tons	50,000,000	Sugar, pounds	481,270,222
Hops, pounds.	1,987,790,000	Tobacco, "	565,795,000
Indian corn, bu.	1,628,464,000	Wheat, bush	515,949,000
		Wool, pounds	294,000,000

LIVE STOCK.—Number of horses, 16,206,802; mules, 2,321,128; cows, 16,424,087; oxen and other cattle, 35,954,196; sheep, 47,273,553; swine, 46,094,807.

TO MEASURE CORN IN CRIB, ETC.

This rule will apply to a crib of any size or kind. Two cubic feet of good, sound, dry corn in the ear will make a bushel of shelled corn. To get, then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth, and height of the crib inside of the rail; multiply the length by the breadth, and the product by the height; then divide the product by two, and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth, and thickness together, and this product by eight, and point off one figure in the product for decimals.



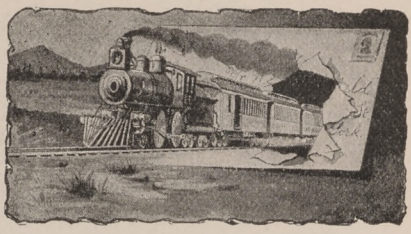
PRINCIPAL CITIES.

POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE BETWEEN MEAN AND STANDARD TIME.

CITIES.	Population 1890.	Miles.	Hours.	Stan. Time. — } Mean + } Time.
New-York, N. Y....	1,513,501	....	....	— 4 m.
Chicago, Ill.....	1,098,576	912	24.	— 9
Philadelphia, Pa	1,044,894	90	2.	+ 1
Brooklyn, N. Y.....	804,377	....	....	— 4
St. Louis, Mo	450,245	1065	29.40	+ 1
Boston, Mass.....	446,507	234	5.	— 16
Baltimore, Md.....	433,547	188	4.09	+ 6
San Francisco, Cal..	297,990	3269	100.15	+ 10
Cincinnati, Ohio	296,309	757	21.10	— 22
Cleveland, Ohio.....	261,546	595	14.20	+ 27
Buffalo, N. Y.....	254,457	410	8.20	+ 16
New Orleans, La....	241,995	1371	48.	0
Pittsburgh, Pa	238,473	444	12.	+ 20
Washington, D. C...	228,160	228	5.25	+ 8
Detroit, Mich.....	205,669	646	16.55	— 28
Milwaukee, Wis.....	204,150	997	27.10	— 8
Newark, N. J.....	181,518	10	.30	— 3
Minneapolis, Minn..	164,738	1332	39.	+ 12
Louisville, Ky	161,005	867	24.30	— 18
Omaha, Neb.....	139,526	1402	41.30	+ 14
Rochester, N. Y....	138,327	371	6.55	+ 11
St. Paul, Minn	133,156	1322	38.40	+ 12
Kansas City, Mo....	132,416	1385	41.30	+ 19
Providence, R. I....	132,099	188	4.01	— 14
Denver, Colo.....	126,186	1974	60.	0
Indianapolis, Ind....	107,445	825	22.30	— 16
Albany, N. Y.....	93,523	143	2.45	— 5
Columbus, Ohio.....	90,398	540	17.	— 28
Syracuse, N. Y.....	87,877	291	5.28	+ 5
Worcester, Mass....	84,536	190	5.	— 13
Toledo, Ohio	82,652	706	17.30	— 16
Richmond, Va	80,838	342	11.15	+ 10
Nashville, Tenn.....	76,309	1000	30.30	— 17
Los Angeles, Cal....	65,000	3177	100.	— 7
Grand Rapids, Mich.	64,147	934	23.08	— 17
Seattle, Wash.....	57,542	3358	120.	+ 10
Lincoln, Neb.....	55,491	1460	30.30	+ 22
Charleston, S. C	54,592	803	31.	+ 24
Hartford, Conn	53,182	110	2.35	— 9
Des Moines, Iowa...	50,067	1270	41.	+ 14
Portland, Ore.....	47,294	3226	112.30	+ 20
Salt Lake City, Utah.	45,025	2471	72.	+ 28
Tacoma, Wash.....	45,000	3209	128.	+ 9
Savannah, Ga.....	41,762	904	31.	+ 24
Galveston, Texas ...	29,118	1782	63.	+ 19
Leavenworth, Kan ..	20,250	1369	41.	+ 20
Rutland, Vt.....	11,757	232	7.47	— 9

STATES AND TERRITORIES.

STATES AND TERRITORIES.	Square Miles.	When Settled	Ad-mitted.	Population in 1892.	Elect'l Vote.
Alabama.....	52,250	1711	1819	1,565,000	11
Arkansas.....	53,850	1685	1836	1,195,000	8
California.....	158,360	1768	1850	1,286,000	9
Colorado.....	103,925	1806	1876	478,000	4
Connecticut...	4,990	1635	1789	776,000	6
Delaware.....	2,050	1638	1787	173,000	3
Florida.....	58,680	1565	1845	420,000	4
Georgia.....	59,475	1733	1789	1,898,000	13
Idaho.....	84,800	1860	1890	100,000	3
Illinois.....	56,650	1682	1818	3,975,000	24
Indiana.....	36,350	1702	1816	2,234,000	15
Iowa.....	56,025	1788	1837	1,964,000	13
Kansas.....	82,080	1719	1861	1,480,000	10
Kentucky....	40,400	1787	1792	1,883,000	13
Louisiana.....	48,720	1699	1812	1,156,000	8
Maine.....	33,040	1635	1820	664,000	6
Maryland.....	12,210	1634	1789	1,059,000	8
Massachusetts.	8,315	1620	1789	2,353,000	15
Michigan.....	58,915	1670	1837	2,186,000	14
Minnesota....	83,365	1819	1858	1,418,000	9
Mississippi...	46,810	1716	1817	1,326,000	9
Missouri.....	69,415	1764	1821	2,790,000	17
Montana.....	146,080	1860	1889	160,000	3
Nebraska.....	77,510	1854	1867	1,225,000	8
Nevada.....	110,700	1848	1864	44,000	3
New Hamp're.	9,305	1623	1789	382,000	4
New Jersey...	7,815	1620	1789	1,522,000	10
New-York....	49,170	1614	1789	6,212,000	36
N. Carolina...	52,250	1650	1789	1,660,000	11
N. Dakota....	68,645	....	1889	223,000	3
Ohio.....	41,060	1788	1802	3,770,000	23
Oregon.....	96,030	1811	1859	352,000	4
Pennsylvania..	45,215	1638	1789	5,497,000	32
Rhode Island..	1,250	1636	1790	300,000	4
S. Carolina...	30,570	1690	1789	1,181,000	9
S. Dakota....	79,800	....	1889	386,000	4
Tennessee....	42,050	1750	1796	1,789,000	12
Texas.....	265,780	1685	1845	2,377,000	15
Vermont.....	9,565	1724	1791	333,000	4
Virginia.....	42,450	1607	1789	1,685,000	12
Washington ..	69,180	1845	1889	410,000	4
W. Virginia...	24,780	1607	1863	784,000	6
Wisconsin....	56,040	1669	1847	1,771,000	12
Wyoming....	97,890	1869	1890	74,000	3
Utah.....	84,970	1847	1896	223,000	3
Alaska Ter..	561,409	1741	....	40,000	....
Arizona " ..	113,020	1582	....	63,000	....
Indian " ..	64,609	1834	....	190,000	....
New Mex. " ..	122,580	1582	....	161,000	....
Oklahoma " ..	39,450	....	....	123,080	....



DOMESTIC POSTAGE.

FIRST CLASS.— Letters and all written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner, so that it cannot be easily examined, **two cents per ounce** or fraction thereof. A "Special Delivery" ten-cent stamp, when attached to a letter in addition to the lawful postage, shall entitle the letter to immediate delivery at, or within one mile of, any post-office. Postal cards, one cent each.

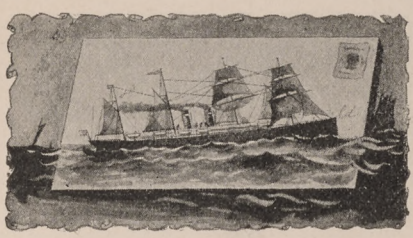
SECOND CLASS.— All regular newspapers, magazines, and other periodicals issued at intervals not exceeding three months; the postage is **one cent for each four ounces,** payable by postage stamps.

THIRD CLASS.— Embraces **printed books,** pamphlets, circulars, engravings, lithographs, proof-sheets and manuscript accompanying the same, and all matter of the same general character, and not having the character of personal correspondence. Circulars produced by hektograph or similar process, or by electric pen, are rated as third class. The limit of weight for mail matter of the third class is four pounds, except in the case of single books exceeding that weight. The rate of postage on mail matter of the third class is **one cent for each two ounces** or fraction thereof.

FOURTH CLASS.— All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily taken from the wrapper and examined. Rate, **one cent per ounce** or fraction thereof, except seeds, roots, cuttings, bulbs, plants and scions, which are one cent per two ounces. Limit of weight, four pounds. Full prepayment compulsory. Liquids, and other like injurious matter, not admitted, except under conditions which may be learned at any post-office.

Direct your mail matter to a post-office, writing the name of the *State* plainly; and if to a city, add the street and number or post-office box of the person addressed. Matter not addressed to a post-office cannot be forwarded. Write or print your name and address, and the contents, if a package, upon the upper left-hand corner of all mail matter. This will insure its immediate return to you for correction, if improperly addressed or insufficiently paid; and if it is not called for at destination it can be returned to you without going to the Dead Letter office. If a letter, it will be returned free. Register all valuable letters and packages. **Registry fee, eight cents,** which, with the postage, must be fully prepaid.

FEES CHARGED FOR MONEY ORDERS.— For Money Orders in denominations of $100 or less, the following fees are charged: For Orders for sums not exceeding $2.50, 3c.; $2.50 to $5, 5c.; $5 to $10, 8c.; $10 to $20, 10c.; $20 to $30, 12c.; $30 to $40, 15c.; $40 to $50, 18c.; $50 to $60, 20c.; $60 to $75, 25c.; $75 to $100, 30c.



FOREIGN POSTAGE.

To all Foreign Countries (except Canada and Mexico): On Letters, **five cents for each half ounce** or fraction thereof — prepayment optional. Double rates are collected on delivery of unpaid or short-paid letters.

On newspapers, books, pamphlets, photographs, sheet music, maps, engravings, and similar printed matter, **one cent for each two ounces** or fraction thereof.

To CANADA (including Nova Scotia, New Brunswick, Manitoba, and Prince Edward Island): LETTERS, **two cents for each ounce** or fraction thereof; Books, Circulars, and similar printed matter, **one cent for each two ounces** or fraction thereof; SECOND CLASS MATTER, same as in the United States; Samples, one cent per two ounces (must be paid at least two cents); MERCHANDISE, **one cent per ounce.** Packages must not exceed 4 lbs. 6 ozs. in weight — prepayment compulsory. No *sealed* packages other than letters in their usual and ordinary form may be sent by mail to Canada.

To MEXICO: Letters, Postal Cards, and printed matter same rates as in the United States. SAMPLES, **one cent per two ounces;** MERCHANDISE other than samples can only be sent by Parcel Post. No *sealed* packages other than letters in their usual and ordinary form may be sent by mail to Mexico.

LIMITS OF SIZE AND WEIGHT: Packages of samples of merchandise to the countries named above (except Great Britain, France, Belgium and Switzerland) must not exceed 8¾ ozs., nor measure more than 12 in. in length, 8 in breadth, and 4 in depth; and packages of printed matter must not exceed 4 lbs. 6 ozs. Packages of merchandise samples to Great Britain, France, Belgium, Switzerland, Italy, Austria, Hawaii, and Argentine Republic are limited to 12 ozs. in weight, 12 in. in length, 8 in width, and 4 in depth. Packages of printed matter to Germany and Great Britain are limited to 2 ft. in length and 1 ft. in each other dimension.

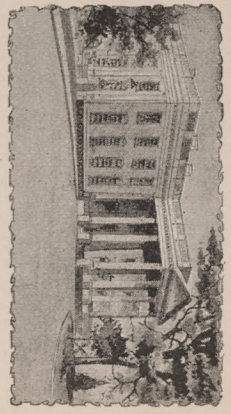
INTERNATIONAL OR FOREIGN MONEY ORDER FEES.

On Money Orders payable in foreign countries the following fees are charged:

For orders for sums of $10 or less		10 cents.
Over $10 and not exceeding	$20	20 cents.
Over 20 and not exceeding	30	30 cents.
Over 30 and not exceeding	40	40 cents.
Over 40 and not exceeding	50	50 cents.
Over 50 and not exceeding	60	60 cents.
Over 60 and not exceeding	70	70 cents.
Over 70 and not exceeding	80	80 cents.
Over 80 and not exceeding	90	90 cents.
Over 90 and not exceeding	100	$1.00.

PRESIDENTS OF THE UNITED STATES.

NAMES	BORN	INAUGURATED	IN OFFICE	DIED	NATIVE OF
GEORGE WASHINGTON..	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.
JOHN ADAMS	Oct. 30, 1735	March 4, 1797	4 "	July 4, 1826	Massachusetts.
THOMAS JEFFERSON....	April 2, 1743	" 4, 1801	8 "	July 4, 1826	Virginia.
JAMES MADISON	March 16, 1751	" 4, 1809	8 "	June 28, 1836	"
JAMES MONROE.....	April 2, 1759	" 4, 1817	8 "	July 4, 1831	"
JOHN QUINCY ADAMS...	July 11, 1767	" 4, 1825	4 "	Feb. 23, 1848	Massachusetts.
ANDREW JACKSON.....	March 15, 1767	" 4, 1829	8 "	June 8, 1845	South Carolina.
MARTIN VAN BUREN...	Dec. 5, 1782	" 4, 1837	4 "	Dec. 27, 1862	New-York.
WILLIAM H. HARRISON.	Feb. 9, 1773	" 4, 1841	1 month.....	April 4, 1841	Virginia.
JOHN TYLER	March 20, 1790	April 5, 1841	3 yrs. 11 mos..	Jan. 17, 1862	"
JAMES K. POLK.....	Nov. 2, 1795	March 4, 1845	4 "	June 15, 1849	North Carolina.
ZACHARY TAYLOR.....	Nov. 24, 1790	" 4, 1849	1 " 4 mos...	July 9, 1850	Virginia.
MILLARD FILLMORE....	May 7, 1800	July 10, 1850	2 " 8 " ...	March 8, 1874	New-York.
FRANKLIN PIERCE.....	Nov. 23, 1804	March 4, 1853	4 "	Oct. 8, 1869	New Hampshire.
JAMES BUCHANAN.....	April 23, 1791	" 4, 1857	4 "	June 1, 1868	Pennsylvania.
ABRAHAM LINCOLN.....	Feb. 12, 1809	" 4, 1861	4 " 40 days .	April 15, 1865	Kentucky.
ANDREW JOHNSON.....	Dec. 29, 1808	April 15, 1865	3 " 11 mos..	July 31, 1875	North Carolina.
ULYSSES S. GRANT.....	April 27, 1822	March 4, 1869	8 "	July 23, 1885	Ohio.
RUTHERFORD B. HAYES	Oct. 4, 1822	" 5, 1877	4 "	Jan. 17, 1893	"
JAMES A. GARFIELD....	Nov. 19, 1831	" 4, 1881	6 mos. 15 days.	Sept. 19, 1881	"
CHESTER A. ARTHUR...	Oct. 5, 1830	Sept. 19, 1881	3 yrs. 5 mos ..	Nov. 18, 1886	Vermont.
GROVER CLEVELAND ...	March 18, 1837	March 4, 1885	4 "	.....	New Jersey.
BENJAMIN HARRISON...	Aug. 20, 1833	" 4, 1889	4 "	.....	Ohio.
GROVER CLEVELAND ...	March 18, 1837	" 4, 1893	4 "	.....	New Jersey.
WILLIAM MCKINLEY ...	Jan. 29, 1843	" 4, 1897	....	.....	Ohio.



SAT. 1

Cash Account	Received	Paid
Union .75 Offici		5-75

SUN. 2

MON. 3

TUES. 4

WED. 5

THUR. 6

FRI. 7

SAT. 8

Molly took first swimming lesson.

CASH ACCOUNT	Received	Paid
S.S. .25		
Delory 1.50.		1 50
Curtains to. .35 1.40		35
Laundry .80 Home		2 25
Land of Sunshine 2.		2
Ammunition .80		80
		6 90
Electrician .30 Drugs 1.60		1 90
Tribune .25 Tel. 8.00		8 25
Drugs 26.75		26 75
		36 90
Med. books 3. Lunch .50		3 50
Car fare .25 N.C. Lumber 6.82		7 07
So. Cal Prac. 1.50		1 50
Rogers 2.25 - R.H. Crouch .35		2 60
Stove .40		40
Chamber of C. 1.00	1	
Clock .24 Gloves 1.25 C.J.		1 49
Labor 1.60 - Supper 1.05		2 65
Serving 4.25 - Music 1.50		5 75
Gas 1.00	1	
Nat Union		4 60
Office 5. Postage 1.02		

SUN. 9 Cloudy.
Mr. Knapp came over to preach at 3.
Fred & Dr. Gilbert & Henry Fraley worked on Aster

MON. 10

TUES. 11

WED. 12

THUR. 13

FRI. 14

SAT. 15
Molly & I went to reception at Mrs. Howells at 4 o'clock.

CASH ACCOUNT	Received	Paid	
S.S. 2.50			
Rep. on Cretin 1.50		1	
Rent to Oct. 1 50.		50	
Meat 1.50 - Craig .20.		21	50
Salt pork 14.93		14	93
Crackers .25 Laundry .45			70
Robert 1.50 mantel Butter .10			
Prunt 3.40 R.H. .30 Hom .50			
Paid Mr. Slaymaid		5	
Office 5. R.H.B. 25		5	
Maintong 20. Mrs. Graham 20		40	
Sugar 1.50 - Sum 25		1	75
M. 9.39 7. 6.50 24.3.59 C.52		51	75

SUN. 16

Dredging with the Kelberts
home in time for S.S.

MON. 17

TUES 18

Kelberts went home on
steamer T-night.

WED. 19

THUR. 20

FRI. 21

Molly rode up to Steela's

SAT. 22

Sailed up. Home at
6 in evening. Miss Godfrey
sailed down with us.

CASH ACCOUNT	Received	Paid
Med. Dist. 10. Dried		11
Edwards 2.75		2 75
Washing & Dali		5
L.O.T.M. 2.25 Home 15.		17 25
Lunch 1.25 Church 1.		2 25
		27 25
Reynolds 25. C.J.B. 1.81		26 81
Postage 1. Mail 1.		2
Church 1.50 Colton 10		1 60
Home 1.10 Wheelman 50		1 60
		32 01
Labor 1.60		1 60
Music 1.50 Office 50.		6 50

SUN. 23

Robert & I rode up to church
Dinner with Doigs.

MON. 24 Holiday.

Home all day.
Fred sailed Miss Godfrey
home & Molly came back.
Robert went up for Fig.

TUES. 25

WED. 26

THUR. 27

FRI. 28

SAT. 29 Fred. 1854

Sailed up to-day.
Annie & Marion Pearson
went with us.

CASH ACCOUNT	Received	Paid
Med. .25 Hal. R.H. 1.65		1 90
Church .75 Carfare .50		2 25
Tablets .30 Supplies .50		80
		4 95
S. D. Hardware 17.25		17 25
Palace Cookery .75 9.50		75
Labor 2.50 Med. Books		12
		30 00
Office 5. Mark M. C. 2.50		7 58
Thread .25 Horne .50		75
Villa 10. Shoes C. J. 1.00		11
		19 33

SUN. 30

SS. in afternoon - Mr. Graham came over & we went up to lots -

MON. 31

Sat up ... Stayed up all night -
Wrote letters in eve -

TUES. 1 FEBRUARY

Stayed up all night

WED. 2

Still in town

THUR. 3

FRI 4

SAT. 5

At Mrs. Shaw's all night

CASH ACCOUNT	Received	Paid
S.S. Fe. 1.80		
Supper .50		
Penn. Mutual Ins.	11	
Union .75 Car-fare .10		85
Delony 3.00 Rogers .50		3 50
Lunches .65		65
		3 00
Cartridges .50 Postage .50	1	
Breakfast .35 Coffee 1.00	1	35
Lubrine .25 Gas .80	1	05
Drugs 1.25 - Bicycle 9.30	10	55
	13	95
Nichols & Co. 2.50	2	50
Feb. 8.	8	
	10	50
Car-fare .50 Lunch .55	1	05
Labor 1.60 Med. 2.00	3	60
Stamps 2.00	2	
Alt. Sweet 5.00 Note	5	
	11	65
Collars 7. 1.50 Lunch .65	2	00
Office 6. Supper .20	5	25
Architect 40.	40	
Furniture 20.	20	
	72	25

SUN. 6

Up town all day

MON. 7

Operated on Mr. Victor Shaw.

TUES. 8

WED. 9

THUR. 10

FRI. 11

SAT 12

Cash Account	Received	Paid
C.J. Bennett 4.25 Postage 1.		5 25
Garbage		1
Lunches 1st Carfare 2.50		3 50
Express .25 Nat. Union 4.80		5 05
Drugs 1st C.J.B. .25		1 25
Breakfast .40		40
C.J.B. Bicycle 6.23		6 23
R.H. Cleaning .50		50
Valentines .55 Carfare .10		65
Rent to Oct. 15		25
M.C. Music 1.50		1 50
Office 5. Stamps 1.50		6 50
M.C. Shoes 3.50 Belt .50		4
		37 45

SUN. 13

Home at noon.

MON. 14

TUES. 15

WED 16

THUR. 17

FRI. 18

Called to Mrs. Shand at 8 30
Stayed all night

SAT. 19

Operated on Mrs. Shand
at 12 o'clock & stayed up
all day.

CASH ACCOUNT	Received	Paid
S.S. .75		
Laundry .35		35
C.J. Waterproof 3.50		3 50
F.B. Suit 4.50		4 50
Wheelmen .50		50
Sewing 1.00	1	
Washing & Dale	5	
M.C. Skirt 4.09		4 09
Instrument 1.25		1 25
Car fare .05		05
Stannard —		1 50
Est. C.P.J.	420 95	
West Coast 150 Graham 150	300	
Stannard. 1.00	1	
Stannard - Labor 1.60		2 60
Walk for P.L. 4.	4	
Office - Stannard 3.00		8

SUN. 20

Home at noon

Came up town at 9 P.M. - as telephone didn't work -

MON. 21

TUES. 22

Drove up in afternoon to make calls.
First work on home

WED. 23

Sailed up -
With Mrs. Reading all day until 9. P.M.

THUR. 24

Fed up at 10 a.m.

C. G. Club in evening

FRI. 25

Stayed up to Concert at Birkels + Miss Crocker's lecture

SAT. 26

Molly brought Katie up with her.
Called up town at 11 P.M.

CASH ACCOUNT	Received	Paid
S.S. .50		.50
Walin 1.00 Yacht Club .10	11	
Slammard 10. Carfare .50	10	.50
Craig 15. A. Brooks .15	30	
Refreshm. .50 Carfare .55		1.05
C.E. 1.00 Lunch 1.90		2.90
Book .75 Farm 1.10		1.85
		35.80
Slammard 3. + 7.	10	
Music 1.50 Office .5.		6.00
Lunch 1.00 Bottle .60		1.60
R.H. 10 M.C. .75 7.1.00 Glass		1.85
		9.95

SUN. 27

Mollie went to Church in morning. Home at 9 A.M. S.S. Bed early.

MON. 28

Breakfast in bed. Worked on accounts.

TUES. 1 MARCH

WED. 2

Sailed up in Bubble.

THUR. 3 Annie came home with Fred. Mrs. Monaghan went down in Lannie with me. Called up town at 7. Home at 10.

FRI. 4

Med. Soc. at night.

SAT. 5

Stella & Marion went down in Bubble with us. Read came down on wheel.

CASH ACCOUNT	Received	Paid
Church .80		80
Lunch .10		10
Car-fare .25		25
Buttons .60		60
Slannard Bal.	12	
Buscli 10.75	10	75
	23	35
Upholstering	26	30
Excavating	20	
Tribune .25 Telegraph .20		45
5th Ave. 2. Harness 1.95	3	95
Wire .75		75
Telephone 8. Toy 20.	28	
Upholstering 26.50	26	50
Hickler. Books 5.	5	
	59	50
Models .05 Jumper R.H. .50		55
Carfare .45 Labor 1.60	2	05
Sale of Sow 2.50	2	50
Household .50		50
	5	60
Tobbitt	30	
Hecker	50	
Chamber of C. 1.50	1	
Household Lunch 1.30	2	30
Paint .75 Office 5.	6	75
	90	05

SUN. 6

Sailed in morning.
S.S. took girls home
at night.

MON. 7

TUES. 8

WED. 9

planned to go fishing.

Raining!!

THUR. 10

C.G. in evening. Drove
up for the evening. At home
all the rest of day.

FRI. 11

SAT. 12

Molly drove up. Marion
went home with her.
Read with us.

Cash Account	Received	Paid
S.S. 40 + Church		2 40
Coffins .50 Pins .05		55
M.C. Needles .25 C.J. .25		50
Thread .10 Washers .05		15
Films .75 Melvos 1.40		2 15
Wheelman .50		50
		3 85
Delony 1.50 Postals .75		2 25
Note D San Diego Savings Bk. @ 10% 3000		
Bills Pay. Penn. Mutual		95
Int. Penn. Mutual		6
Reynolds 39.47		39 47
Notary .50 - Postage .05		55
Lunch .30 Carfare .25		60
		40 62
1st Nat Bk notes 200 Int 2,30		202 30
Jobbitt $35.00 Haecker 50		85
Nat. Union 5.55 - Music 1.50		7 05
Crandall 10		10
Villa 8.80 Rogers .60 Office .5		13 90
Crockery 1.25		1 25

SUN. 13

Up to the home in morning
S.S. in afternoon.
Annie Marion Read P.M.
Welborn drove home.

MON. 14

Fred. stayed up town all night

TUES. 15

Drove up in morning
Fred. stayed up all night

WED. 16

THUR. 17

Stayed down all day
Annie went up with Uncle
Fred. Stella came down
for the night.

FRI. 18

Sailed up in St. Joseph.

SAT. 19 Annie sailed up with
us back at night - Marion
Mary Hodge - Stella Hunting
along.

CASH ACCOUNT	Received	Paid
S.S.		1 ~~80~~
Household. 2.		2
Mrs Graham 48.		30
" Brooks 15. Craig		63
Jtm. .40		40
		93 40
Shirts 7. 4. West Coast 200.		204
Yacht Club 3.		3
Molly Night grows 2.42		2 42
Ex .30 Feed .30.		60
Int. Lumber Hotel B.		28 37
Moulfe 5.60 Lunch .20		5 85
Flowers 5. Lunch .45		5 45
Evans .40 Upholster 20		20 40
Safe Dep. 5.		5
		36 70
Stuyvesant 59.65		59 65
Marlow C. 20. R. 03 12.50 & 21.85		54 38
		11 403
Labor 1.60 - Ex. 25		1 85
Carfare 15		15
		3 00
Jobbing 40. Hacks 50.		90
Lunch .50 Bread tc. .50		1
Office 5. Machine 2.50		7 50
M. C. Flannel .15. Med. Bk		9 15
		10 65

SUN. 20 Fred sailed up early with Annie & Mary. Called up at 9. Home at 7 P.M. Mr. Norton went down in afternoon.

MON. 21 Cloudy all day.

TUES. 22 Sailed up in St. Joseph

WED. 23 At home all day. Visited school in the morning Piano came while I was at school.

THUR. 24 Sailed up. C. L. Club. in evening Selected handkerchiefs.

FRI. 25 Little Marion lunch at noon fell down stairs Home at 5. Hall & Leahel with us.

SAT. 26 Sailed up. Mr. & Mrs. Cabral with us.

CASH ACCOUNT	Received	Paid
Washing & Dale		
Washing & Dale		6 25
Spreads & Towels		5 40
Wahi 1.35 Household 1.50		1 80
Car-fare .55		55
Jobbitt & S. Hardware		15 45
Meal .15. - L. W. T. M. 2.		2 15
Carpenter Work		71 15
Kimelon 22.65		22 65
Mech. Coast. 100.		100
Ex. Abstract.		11 50
		201 45
Hay 15. Beets .55		20 96
Pork 70 Labor 4.75		
Car. fare .25		25
Jobbitt & Hardware		3 85
		25 05
Coffee 5. Painting 1.		6
Praid 10. Paulain 6.		16
		22
Jobbitt 46. Rent & Jan. 1 125.		171.
Opthalmic Reading 3.		3
Romans Jubilee 3. Carfare .20		3 20
Pencils .40 Postage .10		50
S. D. Wahi 17.60 Household 1.85		13 45
		190 15

SUN. 27 Rode up town & lunch
Mr. Johnson ~~tuffe~~ at Old Town
S.S. & Church.

MON. 28

TUES. 29
Stayed up all night
S.S. Convention
Tuesday Club - Wrote letters
until 1 A.M.

WED. 30
Rode home about 10.
Mrs Godfrey went with us
Fed home at 4. Sailed
a little

THUR. 31 Ran down for fuse
trip town at 11.
Wrote on accounts until
8.
Frank down at night

FRI. 1 APRIL

Med. Soc. in Eve. Electric Pres. 11-4
Drs Latta Otselow put in as
Vice Pres. & Sec. — Sailed home.

SAT. 2
Sailed up flying 30 minutes
Graham went home
with us. Big mail
Frank up with Jobbitt.

CASH ACCOUNT	Received	Paid
S.S. 1.00		1 00
Household .35 Lamp .80		1 20
Ins. 20.10 on Home		20 10
Household .60		60
		21 90
Rubber bands .25		25
Clothes Hamper 4.50		4 50
		4 75
Hacker-Berglund Lacking		12 05
" Churchill 1.70		15 20
Envelopes .60 Oplin		2 30
		29 00
Ins. C.J.B.		59 27
Tribune .25 Union .75		1
Churchill Lacking.		~~15 20~~
Sem. .50		50
		60 77
Hacker 100. Joblin .20		120
Mill 100. Schulhof .75		175
Music 1.50 Office .5		6 50
Telephone 8. Sep. .25		8 25
Ins. 7. 4.80 Hinkle 24. Hut 1.		29 80
		344 55

SUN. 3 Up & home in the morning.
S. S in afternoon - Sail for a little while.
Sing in the evening

MON. 4

Rode up to-day.

Frank came down on launch.

TUES. 5

WED. 6 At Home all day.
Mrs. Graham brought her boy home with her.

THUR. 7

C. G. Club at night.

Frank came up in afternoon

FRI. 8

Frank drove down at 11.

SAT 9

Sailed up. Boys brought fig up. Mr. Jobbitt up with buggy.

CASH ACCOUNT	Received	Paid
SS		90
Cap & Comb R. H. .60 1.		60
Picks .35 M. C. J. M.		1 35
Garbage 2.50 Ch. of C. 5.		7 50
Ins C. J.		100
		109 40
Linen thread to. .20		20
San Diego Hd. Ware		50
Think & Wrisley		
Livery		1 50
		51 70
Delivery 1.50 Schultheis 50.		51 50
Hartnut 3.25. Spuna 2.		5 25
Repens. 25		25
		57 00
Hucker. 65. Jobbitt 16		81
Music 1.50		1 50
Tank .19.20		19 20
Washing 1.40 - Tablecloth 1.50		2 90
Molly Stockings		1 50
Coffins 5 Wheelhouse .50		5 50
		111 [illegible]

SUN. 10 Church at 6.
Drove home at 9. Fixed
S.S. room. Church in
afternoon.

MON. 11
Cousin Lucy came to-night
Hal went to Ulla town
with me.

TUES. 12
Cousin Lucy went up with
me. Drove about town

WED. 13
Home all day. Drove
about with Cousin Lucy.
Sailed up town in afternoon
Home in heavy fog.

THUR. 14
Cousin Lucy sailed up
with Fred.
Drove home with me.

FRI. 15 Cousin Lucy stayed
home to-day. Stayed up
with Dr. Crandall all
night.

SAT. 16
Busy all day. Called
to Cramiths at 9 P.M.
Marion down to sleep with
me.

CASH ACCOUNT	Received	Paid
Earlier Offering		2 50
Flowers.		2
Choir		2
		6 50
Poll Tax 2.00		2
Lunch we. 1.75		1 75
Car-fare 1. — Abbotts 2.		10
Gas 11 25 Craig 12.90		14 15
		25 90
Labor Brooks 5. Lee 1.60		6 60
Hens 1.00		1
		7 60
Jobbitt 10. Graham 75. W. 1.70		90
Lunches 1.50 - Prunk		3 20
Offerings 5.		5
		98 20

SUN. 17

Home with Mr. Jobbitt at 9. Belle with me. Left until dinner time -
Mr. Rutarick rejoin church

MON. 18

Cousin Lucy up town with me. Sailed home with Fred.
Frank took buggy home

TUES. 19

Took Cousin Lucy to Coronado in afternoon - Theatre in the evening.

WED. 20

Up at 5.30 Cousin Lucy off at 7 o'clock.

THUR. 21

College Club.

FRI. 22

SAT. 23

Mr. & Mrs. Matthews & Bead home with us.

CASH ACCOUNT	Received	Paid
Labor Frank #16		16
Tickets .90		90
Sharpening drills		75
Pillow		90
		2 56
Rent - Roseville Bal.		43
Mrs. Turner Picture		28 65
Sugar 10. Coffee 3.		13
Lunch .50 Potatoes .25		75
		85 40
Instrument		1
Laundry 1.80 Water 2.75		4 55
Lunches .35 Carfare .20		55
		6 10
Mrs. Graham 10. Reynolds 10.		20
Jobbich 17. Study 41.50		28 50
S.S. 1. Home .40		1 40
office 5.		5
		54 90

SUN. 24

S. S. &c.
Mr. Johnstone preached

MON. 25

All sailed up town.
Mr. Horace Matthews home
with us.

TUES. 26

Sailed up in Bubble
Fed up all night - I came
home on launch -
Sick in night.

WED. 27

Felt mean all day.
Bed early.

THUR. 28

Not feeling as well. Breakfast
in bed. Up town -
Home with Cabral -
Sick. La Grippe!

FRI. 29

In bed.

SAT. 30

In bed.

CASH ACCOUNT	Received	Paid
S.S.		65
Laundry .50 Chimney .50		1
Stamps 1. Engine 6		1 50
Washing & Duke		6 25
Meat 10. 29.85		10
Pipe 26.65 Taxes		56 50
Freight .15 Ex. .25		40
		66 90
Dr. Parvin Dole		
75. @ 10 %		75
Fred a. Baker.	80	
Violin		105
Jobbing 18. Gotr. 100.		118
Mc R. 30. Chairs Rep. 1.50		31 50
House 1. Bridle 10.		11
Office 2.		2
		162 50

SUN. 1

Laid on lounge.

MON. 2

In bed quite exhausted
Mrs. B. went up town
brought home arch. boots

TUES. 3

Worked on Accts. in bed
Better.

WED. 4

Better. Mr. Dickson here
in morning. back at 8 P.M.
I went with him.
Home at 12.

THUR. 5

Home all day to rest.
Went to Mrs. Dickson.

FRI. 6

Up town to-day.

SAT. 7

Moved to Roseville. Busy
all day. Marvin &
Stella went over with
me.

CASH ACCOUNT	Received	Paid
Sun .50 Union .75		1 25
Craig 12.40 E. J. Delory 1.50		13 90
Mrs Golden Statt		3 65
Tucker $40.00 Fuller 3.20		43 25
house 1.95		1 95
		64 00
Eagle S. G. 50 West Coast .75		1 25 00
S. & Hardware Co		40 00
Tribune .25 Ryerson 1.50		1 75
Brooks 5.50 Telephone 8.00 Hartwell .85		13 85
Brown W. O.		2 05
		182 65
Farming .50 Sugar 10.		10 50
Gas Bill .80 Goodbody 25.00		25 80
Schultze $75.00 Mid Book 5.00		80 00
		105 80
Office 5. J. F. Brooks 20.		25
Music M. 1.		

SUN. 8

Up at home in morning
S.S. in afternoon -
Read Julia Marlowe -
Still home -

MON. 9

TUES. 10

WED. 11

Moved to new home.
+ had dinner there -

THUR. 12

Up town at 11. so only
a little work.

FRI. 13

Up town all day.

SAT. 14

Annie B + Isabel came
down at night -
Cloudy + threatening
rain. Mr. Graham —
Read down with us.

CASH ACCOUNT	Received	Paid
Middleton & Son 100 Crosshouse 14.35		114 35
Pictures 3.45		3 45
		117 80
Cal Optical Co. 3.50 F A Hardy 5.32		8 82
Hooker 20.75 Jobbitt 8.50		29 25
effence 25 pens 05 stamps 60		90
Molly.		10
		39 07
Hoffman Mrs sewing		5 00
bread 10 Jobbitt 20.		20 10
house 170 + 75 water 4.80		7 25
Carpet work 8.95		8 95
Middleton & Son 123		123
Mc Reynolds 2 00		2
		153 95

SUN. 15

Rained hard all day.
Paul - Molly & I only
ones at S. S.

MON. 16

Mr. Graham home early.
Read sailed with us - Annie
drove up late & Frank
came back

TUES. 17

Up town early - Mc Cauley
baby sick. Mrs. Mills
baby born @ 10.30
Elks reception in evening

WED. 18

Home at about 5 -
Mrs. Lee & Stella drove
down -

THUR. 19

Stella sailed up with
us.
C. S. Club in eve - Blayd
up all night.

FRI. 20

SAT. 21

CASH ACCOUNT	Received	Paid
Household 1.		
for Kelly 40. Land of Jenskin 1.		41
map .10 book .25 house 1.25 .10 M.C.B.		1 70
Seed 40		40
		2 10
lunches 2.50 water 2.75		5 25
Lemon Co. 18. Molly 1.25 Office 5.		24 25

SUN. 22 S.S.

Sarah Hodge drove down in afternoon with Children.

MON. 23

TUES. 24

Tuesday Club.

WED. 25

THUR. 26

FRI. 27

SAT. 28

Molly came up to Stella's to stay all night.

CASH ACCOUNT	Received	Paid
Mrs Hoffman sewing 1.25		1 25
stamps 1. lunch .50 Nurse 1. vehicle .50 Insurance Making 71.80 lunch .50		2 50 72 30 50 75 30
Fraley H. .20 supper .30 carfare .15		20 45
labor 4.60		4 60
Dr. H .25 nurse 1. mdy 1.50 4.68 washing H. paper 1. seed .20 office		3 43 5 20 5 00 13 63

SUN. 29

Stella drove Molly home in afternoon
S.S.

MON. 30

Home all day.
Hankings down for a call. Sailed up to see patients

TUES. 31

WED. 1 JUNE

THUR. 2

FRI. 3

Molly drove up in afternoon
Annie Mrs. Davis & Isabel drove down. Molly went to Concert. Med. Meeting.

SAT. 4 Drove home at noon.
Party to M.Ds. in evening

CASH ACCOUNT	Received	Paid
Church		25
Household 1.24 + .54 .05 1.00 1.50		179
Annie Sewing 2.00		2 50
Brooks J. H. 22. Tablet .05 Wood .15		22 20
		26 49
Union. 75 Sun. 50		1 25
Porte 2. Washing 3.		5
Rogers. 1.45 – Dress .32		1 77
Thorndike 17.		17
Mag. .25		25
		27
Telephone 8.85		8 85
Garbage Judd 70		1 70
Bread Co. 1.05 –		1 05
Shaw C. 5		5
		7 70
Office 5. Subscr .25		5 25

SUN. 5

Sailed up town - Mrs. Davis with us.
Home at 2. Nicely had friends in afternoon.

MON. 6

Annie & Isabel drove up.
Sailed up in Eve. Star.

TUES. 7 Stayed down.
Annie B & Pearsall came in morning. Tuesday Club in evening.

WED. 8

Sailed up. Annie B & Annie P. with us. C. G. Club in evening Annie P. & Pearsall & babies went down.

THUR. 9

FRI. 10

SAT. 11

Dance in evening.

CASH ACCOUNT	Received	Paid
Home 1.10 - Laundry 1.65		2 75
Meat 2.65		2 65
		5 40
Mrs. Graham 10.		10
Gas. 60 - Cleaning .50		1 10
Ins. S.D. Savings Bk. ~~75~~		75
Med. 50		50
		86 60
Mert Court ~~50~~		50
Cleaning hat - C. ~~50~~		50
Mach. 40 Home.		1 40
		57 90
Labor 1.60 - Ins. 7.B. 5.55		7 15
Stamps .45		45
School .50 Home .10		60
Picket 1. - Serving 1.		2
		10 20

Office 5.

SUN. 12

MON. 13

TUES. 14

Called to Mrs. Neeland.

WED. 15

THUR. 16

FRI. 17

SAT. 18

CASH ACCOUNT	Received	Paid
Wheelmen .50		
Cards .75		
H. Fraley 4.50		4 50
Lunches .60 Misc .50		1 10
Carfare .50		50
Sub. Lunch 9.		9
Schnellens		35
Home .55 - Gloves 1.58		5 10
Cambric .63		2 13
		63
		2 76
Music M. 2. Stamps .50		2 50
Home 2.10 - Office .60		7 10
Cat. Cept. 2.50		2 50
		12 10

SUN. 19

MON. 20

TUES. 21

WED. 22

THUR. 23

FRI. 24

X SAT. 25

Dance here at night

CASH ACCOUNT	Received	Paid
Tickets 1.50		1 50
Cleaning & Kit C. .50		50
Fine Mocly Library - .25		25
		2 25
Home 3.44		3 44
Gloves Mocly .79		79
Cloth .23 Malin 3.45		3 68
		7 91
Charity .60 Stamps 1.		1 60
Labor 1.60 - Pin .10		1 70
Home 1.90		1 90
		5 20
Effie 5. Music 1.		6
Van Zandt 3.90		3 90
L.A.W. (C.) 1. Home 1.10		2 10
		12 00

SUN. 26

Called to Mrs. Poole's at 1 P.M.
Home at 5.

MON. 27

Called up at 2 a.m. to La Playa.

TUES. 28

Called at 3 a.m to La Playa
Home out of day.
Dance at Mr. Howells
Fed neck with Moely.
Bro Wed for Mary & Mrs. Hody down with us Tuesday.

Miss Goodwell home with us.

THUR. 30

FRI. 1 JULY

SAT. 2

Annie & Isabel drove home home. Friday.
Dance at Mrs.

Cash Account	Received	Paid
Hay 20. Bernie .10		20 10
Home - 1.50 - Carfare 1. 14.50		2 50
Robert .45 Sewing		13 00
		35 60
Med. .10 - Refs. on Lect. 1.50		11 50
L.O.T.M. .25		.25
Lun. .50 Union .75 4.50		1 25
Sons Am. Rev. Field		5 50
Tent Co. 5.75 Comm. 1.		6 75
Garnett & Co. 2.50 Birkie		12 50
Note to College Fund .50		26 03
Household &c. 1.88		2 90
C.J.B. Waist 1. Mrs. G.		2 88
Office 5 - Delivery .75		5 75
Pins &c. .40. Home 1.50		1 90
Music Monthly		1
		14 43

SUN. 3

Quiet day. S. S. & Church.

MON. 4

Stella came down on motor Sunday afternoon went home with me at 4.30 a.m. Cullen & Mrs. Hooker at 1.30 a.m.

TUES. 5

Sailed home with Fred

WED. 6

Up town all day.

THUR. 7

Sailed up. Mrs. Withington & Mrs. Carter & two little ones with us. Big blow coming home!

FRI. 8 Sailed up - Mr. Withington home with us.

SAT. 9 Drove up town & brought Agnes & Henry Wells home with me. Charles down later.

Dance in evening

CASH ACCOUNT	Received	Paid
Church	50	50
"		60
Breakfast .15 Optch. Rec. 3.		3 15
A B. 5 Drugs Mark 5.		10
Van Ned 1. Water .60		2 60
Telephone 8		8
Home 4.80 Washing 5		9 80
Wheelmen .50 - Crandall 10. for Burgess		10 50
		0
Expense 35 Paulsen 3.		3 35
Tel. construct.		13 33
Household 2.00 4.80 Bus.		6 81
Labor 3.20		3 20
		26 69
Household.	~~1 40~~	1 40
Office P. Envelopes 10		1 10

SUN. 10

S.S. Agnes & Charlie went home on motor.
Accounts in eve.

MON. 11

Up town all day.

TUES. 12

Drove up to see patient home at 1.
Mr. Nacon down to play whist.

WED. 13

Up town -

THUR. 14

FRI. 15

Drove up town to hurry home. Statia at 6 for Kelp beds lay outside all night - Molly tied to me

SAT. 16

Were all a little sick. About 6 a.m. Statia to fish. Home at 5 30
Tired thoroughly but had a good time.

CASH ACCOUNT	Received	Paid
Hartwell 10.		
Craig 10. Romer 10		20
Lunch. 30 Kuns		60
Dr. Fred's Suit		30
Crandall 18.05		18 05
" Med. Jour	3	
A.B. Labor 5. Loan 5.		10 08
Postage .08		
Reproofs 20.		
Music Robert		2
San Diego Hardware		10
Mr. Schizetherm		25
Horseshoed. 1.05		1 05
Office 3.		3

SUN. 17

Mr Johnston wife & daughter at lunch with us.
Drove them to Old town after lunch.

MON. 18

Up town in Bubble –

TUES. 19

WED. 20

THUR. 21

X

FRI. 22

Up town – Mr. Little Dancing teacher down with Mr. Howells & had first dancing lesson.

SAT. 23

Dr. Abbott's sister

Miss Abbott. Miss Freeje & Mr? came out to spend day. Sailed them in afternoon to North Island

CASH ACCOUNT	Received	Paid
Church	4	60
Robert Shoesk 3.45		3 45
C.J. Stores 1. Meat 4.25		5 25
Paulsen 3. Nichols .75		3 75
Robert Hamel .70		.70
C.J. Bath Suit 2.50		2 50
		15 65
Malin 2.75 Horse .90		3 65
Hardware 10.		10
Engle 25. Horse 1.75		26 75

SUN. 24

Fred sailed up in morning. Mason & Read down with him. Read stayed down. Mrs. Edwards for breakfast time. Sick!

MON. 25

Molly went to So. San Diego with Annie B. & Belle. Sailed to Oldtown.

TUES. 26

Trip to Old Town. Sick of the day at home.

WED. 27

Up town.

Stayed up all night with Fred.

THUR. 28

Home at 1 P.M.

FRI. 29

Up town. Mr. Little & Miss Mine sailed home with us.

Dance on evening.

SAT. 30

At home all day. Sailed two parties

CASH ACCOUNT	Received	Paid
Church		25
Lunch .30 Tony 2.00		2 30
Mantin. Ef. 20.		20
Suspenders. 7. 50		50
		22 80
Mrs. Graham 5.		5
Eggs 1. Butter .60		1 60
Washing D Dale.		5
Stamps 1.		1
R. H. Music		2
Shirts Fred 2.08		2 08
		10 08
Dancing 1.65		1 65
Home 1.		1

SUN. 31 Mrs Cook came over on Motor -
S.S. in afternoon. Robert not very well. Annie passed home
H. & Rob Fred sailed thro.
Home

MON. 1 AUGUST
Up town at 8.30 - Drove home above a 8 P.M. Fred & Band & Brand meeting sailed home late - Hinkings arrived

TUES. 2 At home all day Swim & sail - Henry at work all day.

Called up town a 11 P.M.

WED. 3
Breakfast at Mrs. Cook's -

THUR. 4

FRI. 5

SAT. 6

Church		40
Sewing 1.92 18.33		1 92
Union .75 Cal. Creek .50		19 08
Tribune .50 Washing		3
Paper .15 Violin .35		50
Craig 24.55		24 55
		49 15
Anna & meat		68 15
— Washing paid thereof —		
Homebord .99 + .75 .225		1 65
Ink .35 Lel. 8, Delany		10 60
		12 25
Hand .65		
L.O.T.M. 2. Music .70		2 70
Groceries Cros. 20.95		20 95
" Forbes .40		3 40
" & grain - 10,		10
Labor Mrs. Lee 3.20		3 20
		42 25

SUN. 7

MON. 8

TUES. 9

Down all day.
Fred scalded up at night

WED. 10

THUR. 11

FRI. 12

Fred went to fraternity
Supper.

SAT. 13

Down in afternoon - Annie Pearson
Charlie & little Marion
down with us.

CASH ACCOUNT	Received	Paid
Church		35
Robert. Shoes 3. stockings .75 Lin 20 C.J.		4
Dance .45		45
Annie B. 10 Lunch 55		10 55
Lunch .50 Schultheis 55.62		56 12

SUN. 14

Stayed in bed quite soon
had breakfast sent to sail.

MON. 15

Up town — busy day.

Stand up all nights -

TUES. 16

Home @ 3.30 P.M.

WED. 17

Annie & Charles Pearson came up
in morning. back at night
Mamma quite so -

THUR. 18

At home all day.

FRI. 19

Started at 9. for Islands -
Annie Charles - Mamma &
our own family. Reached
Islands @ 3.30. Swim -

SAT. 20

All asleep except Fred & me.
Climbed up the Island -
went to North Island after
lunch.

CASH ACCOUNT	Received	Paid
Car fare 1. Lunch .50		
Wheelmen .50		
Robert Smith 1.25		1 25
Gordbody & R. Bal. 30.		30
Flint & W. " 18.98		18 98
Lunch 1.20		1 20
		5 1 43

SUN. 21

Left at 8^30 This in abundance
Calm - Home at 3^30
Annie - Charles & Marion
rode home after tea -

MON. 22

Very busy day.
Mrs. Llewayne drove
buggy home.
Stand up all night.

TUES. 23

~~At~~ home ~~at~~ ~~Long~~ 3.30 -
Nody had musical
in evening.

WED. 24

Mrs. Collins went down
with us at night.

THUR. 25

At home with Mrs. Collins
all day. Stella stand
all night. (Fly-paper & Pauls!)
Tied up town -

FRI. 26

Rode up with Robert &
left buckboard " home on
Fri.
Dance in evening.

SAT. 27

Home all day.

Walin 1.75 Nat. Unity 5.55	7 30	
R.H. Nunni 5. Home	6	
Van Zandt 3.20	3 20	
	16 50	
Molly. Dress tc. 3.75	3 75	
" Shoes 7.50 – tc. 19	7 69	
Ex. 17 – Lunch 1. Violin .90 Strings	2 07	
Int. on Home 75.	75	
San Diego Hardware 25.	25	
	11 50	51
Robi Shirts tc	3	
Elastic tc. 25 Jean .94	1 19	
Shoes. Fred —	3	
Home Lord.	1 16	
	8 34	
October 90 Robert 1.50 suits tc.	2 40	
Jean suit .85	85	
Bicycle 22.95	22 95	
Envelopes .25	25	
	26 45	

SUN. 28

Morly rode up on Fig to Church.
S.S. + Church in afternoon

MON. 29

Up town all day.
Beautiful moonlight sail home.

TUES. 30

Home all day.
Annie - C. Marion + Belle down.

WED. 31 Sailed the folks home in Bubble. Tied up in Motor Gar and came home with us.

THUR 1 SEPTEMBER

Rode up aftr lunch.
Dinner with Belle
Re-organized C.Y.C.

FRI. 2

SAT. 3

CASH ACCOUNT	Received	Paid
Laundry 5.		5
Home, 84 Postage 1.		184
C.J. .50 Jean .25 Pot. Swetchup		75
		7 59
Meat 2.65		265
Mrs. Graham.		55
Delivery 1.50 Tel. 8.		9 50
Books 2.25. L.O.S.M. .25		2 50
Home 80 Charity .25		1 05
Lec. 1.60		1 60
		14 65
Office 5. Tribune .25		5 25
Penn Mutual C.J. Pitt		159 27
FB		71 80

SUN. 4

Drove up after S.S. to see Hentkings - both girls quite sick. Rob. Blair also pretty sick.

MON. 5

Up town all day & home quite late in evening

TUES. 6

Hentkings very sick - stand up all night Fed home with the children -

WED. 7

J.C.

THUR. 8

J.C.

FRI. 9

J.C.

SAT. 10

J.C. called Dr. Magee in for consultation - Sent nurse up at once to keep.

CASH ACCOUNT	Received	Paid
Church		50
Stable 5.50 - Sun .50		6
Homehold 2. Carfare 1. Molly .75 Wheelman .50		3 1 25 4 25
Collars .50 Office 2.25 Carfare .50 Lunch		1 50 2 75 4 25

SUN. 11 Rode up in morning
Sailed up after supper
Children with us.
Home at 12.

MON. 12 Drove up in
morning. Mrs. Graham
took home home.
Mr. Henking came home

TUES. 13

WED. 14

Drove up in morning &
home after supper.
Fred stayed up all night.

THUR. 15 Sailed up in Bubble.
Work all day.
Fred at convention.
Up town all night.
Mrs. Graham up town - Mrs. Lee

FRI. 16 Work all day.
C. G. Club in evening.
Sailed home 10-12.

SAT. 17 Rode in, Mrs. Lee with
me. Fred sailed in.

CASH ACCOUNT	Received	Paid
Nat. Union 2.		2
Nolan & Tibbals 11,25		11 25
Lippincott 5. Lit. Dig .3		8
Craig 30. Reynolds 35.		65 15
Ex. .15		.15
		86 55
V.C. 1.00 Church		2
meal home sickness,		
Lunches &c. 2.50		250
Carfare 1.00		1

SUN. 18 ~~Drove~~ home in the morning.
Rested part of day.

MON. 19
Drove up early.
Home late

TUES. 20 Molly 15 years old
Up town all day.

WED. 21

THUR. 22
Up town all night.
Med. Soc. in evening.
Dr. Corey stand with me.

FRI. 23
Drove home in the morning. Anne B. with me. Fred sailed home at 5. Party. Successful

SAT. 24 Called up town at 4. A.M. Stand up all night.

Due on washing .50

CASH ACCOUNT	Received	Paid
Penn. Mutual. (Henkinq)		~~11~~ 30
Stamps 1. Party 2.30 .70		4
Car-fare .20		20
Labor - Fraley 5.		5
Lunch + Postage 1.40		1 40
Water 2.75 Gas .50		3 25
Mrs. Lunes.	9	
Lunch .25		25
Graham —	60	
Office 5.		5
Washing 5.		5
Bandage 5.75		5 75

SUN. 25

Calls & drove home
reached home at 2.30

MON. 26

Drove up but left
home up all night.

TUES. 27

Robert came up with
us & drove home —
Mr. & Mrs. Maxwell went
down with us at night.

WED. 28 Sailed up.

Busy all day

THUR. 29

C. G. Club met to-night
stand up all night.

FRI. 30

SAT. 1 OCTOBER

Cash Account	Received	Paid
Piano 10. Wash C. .75		10 75
Meal 5.81		5 81
Bills Pay. A.H.S 6 50		2
L.O.J.M. 2. Lee 4.80		6 80
Sun .50 Sassos .60 Union .75		1 85
Wilber Cycle Co. 1.75 Tribune 2.75		1 00
Rogers E.O. 2.00 Penn Mutual 1.00		2 00
Washington Gaslight 5.50 .75 Lunch .90		7 15
Funk 15.35 Judd 4.45 Office 5.00 stamps .50		25 30
		31 30

SUN. 2

Called up town at 1 30 P.M.

MON. 3

Up town in buck board. Fred stand up to board meeting

TUES. 4

Drove up to-day. Fed up to Tuesday Club.

WED. 5 Robert sailed Bubble up & rode fig home. Left buck board at Paulins.

THUR. 6

Sailed up in ~~Bubble~~ St. Joseph - Home at 8 P.M.

FRI. 7

Sailed up in Bubble Med. meeting in eve. Dance at home.

SAT. 8

Robert sailed Eve. Stay up.

CASH ACCOUNT	Received	Paid
Sale & son - $9.50		9 50
Telephone 8.85 Meat 11.55 Delivery 3.00		12 40
S B Chandler Coal 5.00 Forbes & Halsey 1.25		6 25
Book Club 5.00 stamps .50		5 50
		33 65
Bills Pay. Sweet 4.50		
Breakfast .30 Cartridge .60		90
Gas .80 Gray Son 4.05		4 85
Nason & Potter 6.50		6 50
		12 20
Stat. .10 Blotter .60		70
Writing paper .40 Mrs. Wheeler 1.00		1 40
Wheelmen .50		
Office 5.00		

SUN. 9

Called to Mrs. Ring at night

MON 10

Not well at all. In bed all day.

TUES. 11

WED. 12

Home to-day.

THUR. 13

FRI. 14

Sailed up with Fred. Home in buggy & had accident. Fred came home later.

SAT. 15

Dr. Holmes.

Fred. brought Mrs. Carey Katharine Lowther with him.
In bed.

CASH ACCOUNT	Received	Paid
Nat Union 4.80 Coward 6.00		10 80
Stamps .50		50
		11 30
Lunch .45 Mr C O Pierce 12.00		12 45
J.M.C.A. 1.00		1
Water 2.00 Labor 1.60		3 60
Office 5. lunch .40		5 40

SUN. 16

Fred. Robert & Dr. H. Jones went
to False Bay

MON. 17

Drove up in afternoon
staid up all night

TUES. 18

Felt some & went home
early.

WED. 19

THUR. 20

FRI. 21

SAT. 22

Mr. Carey came down
to-night not last week.

Cash Account	Received	Paid
Knife 1.25		1 25
Hartwell 7 S. 3.10		3 10
Reynolds & Wh. 4.75		4 75
Household Do Crang 27.35		27 75
		36 85
A Brooks 1.55 lunch Do		1 95
Coal 25 Office 5 00		5 25

SUN. 23

MON. 24

TUES. 25

WED. 26

THUR. 27

FRI. 28

SAT. 29

S.S. entertainment
in eve. Children meet.

CASH ACCOUNT	Received	Paid
Fraley & Ft for Labor 10.00		10 00
Birkel 10.00 Micapa Co. 1.05		11 05
Cafe .30 lunch .40 Hardy 6.12 Office		6 82 5 00
		3287

SUN. 30

Fred & R about merch
out hunting.

MON. 31

TUES. 1 NOVEMBER

WED. 2

THUR. 3

FRI. 4

Sailed up. & stand at
Bellis all day.
Med. meeting at night

SAT. 5

In bed until noon.
Home about 4 P.M.
Sailed -

CASH ACCOUNT	Received	Paid
L O. M. .150		1 50
Mrs Graham Garb		5 —
Sun .50 Mocly dress 5.11		5 61
Tribune .25		25
Chimney .95 Butter .60		95
M. C. B. .30 Wheelman .60		90
		1 85
Mocly Hat 2.50 7.15 Meat		9 65
		11 50

SUN. 6

Staid home all day.
Mrs. G. went to Morena.
Feeling much better.

MON. 7

Sailed up with Fred. in office all day. Home on Quar. launch. Fred home after board meeting.

TUES. 8

Sailed up.
Tore sail on way home

WED. 9

Home all day.

THUR. 10

Sailed up to
Drove up to-day & staid all night - C. G. Club.
Robert came up

FRI. 11

Drove home quite early.
Robert came up with horses

SAT. 12

Mr. Kendy took horses to El Cajon to-day
Sailed Cabrals boat home he drove

CASH ACCOUNT	Received	Paid
Church		2
Washing. To date		8 75
Tel. 8. Books .65 Lunch .30		8 95
Buckboard 12. + 2.50		14 50
		32 20
Linen Wooly 47 Gag .80		1 27
Telephone 8. Blank Bks .65		8 65
Drawing 1. Meat 3.		4
Car. fare .50 Stamps 1.		1 50
Union .75		75
Meat Coast 10.		10
		26 17
City Taxes. 10.38		10 38
Dr. 7. Cleaning 1.75 Rope .25		2
		12 38
Marston 20. Home .75		20 75
Mrs. Graham .75		75
Steible 3. Fruit 3.55		6 55
Craig 30. Labor 1.60		31 60
Wooly Skirt 5.30		5 30
Home .85 C. Rushing .32		1 17
Jeffrey 5.		5
Hauling 2.		2
		8 17

SUN. 13

S. S. but called with at Bible lesson time Mr. + Mrs. Barnes down in afternoon

MON. 14

TUES. 15

Cran

WED. 16

THUR. 17

FRI. 18

Sailed up in Bubble up town all night.

SAT 19 Called at 6 A. M.

CASH ACCOUNT	Received	Paid
S.S		50
Crandall 5.25 Present 1.10		6 35
Mrs. G. 35 + 1.50 Home .75		2 60
Jaques County		38 04
Mrs. Brooks 6.12 labor		6 12
Med. Book 1.15		1 15
Respirator 40. Book Case .15.		55
Pens .05 Mody 1.03 brand old.		1 08
Household 2.10 + 1.50		3 60
Rent D July 1st		250
Edwards Bros.		5
Jeffrie 5		

SUN. 20

Molly & I drove up to Church. Boys sailed up & rode home with us.

MON. 21

TUES. 22

~~Supper~~

WED. 23

THUR. 24

Thanksgiving Day - Cleared from the smoke ~~lump~~ last night. Mr. & Mrs. Conrad to dinner.

FRI. 25 Mrs. Crowley arrived to stay with us last night

—/ SAT. 26

CASH ACCOUNT	Received	Paid
Express .30 Elastic .06		36
Money order .05		05
Cotton 10. C.J.B. .60		70
Household 3.20	3	20
" 1.20	1	20
	5	10
Reynolds 1.50 Labor 1.60	3	10
Household 1.15	1	15
Stamps .50		50
Office 5. Turkey 1.85	6	85
Bread & Cake		50
	12	10

+1 SUN. 27 Drove at 3.30 A.M.
Up at 10.30 Mrs. Cabals -
S.S. & church in afternoon
Mr. Crowley stayed to tea.

MON. 28

Drove up to-day - Fred
stayed up all night
Annie came home
with me.

TUES. 29

Clams &c.
Tuesday Club in
evening.

WED. 30 Fred. & his wife
Sailed up in Bubble
Robert went up with
Mrs. Crowley. sailed home
with us.

-1 THUR. 1 DECEMBER

-3 FRI. 2

Med. meeting in aft.

SAT. 3

Operation at 9 A.M.

CASH ACCOUNT	Received	Paid
Mrs. H. Sewing.	5	
Molly - Comb -		50
Household		75
Johnstone 1st	1	
Rent to Dec. 1	250	
Marsh 5.50 Washing 2.30	7 80	
Papers 1.25 Jugler 9.95	11 20	
Hemelton 20. Toad St. 20.	40	
	31 0 7 5	
Tote & Mrs. Briggs 500		
Bicycle Repairs	8 50	
Sun 50 Union .75 Tribune .25	1 50	
Roland T. 1.05 Eggs .15	1 20	
Craig 25. Stocking 1.	26	
L.O.Jm. 1.00 Sewing 1.75	2 25	
Lunch 20 West Coast 50.	50 20	
Lel. & A.C.A 1.55	9 55	
Maggie Marston 20.	21	

+d SUN. 4

Sailed up to see Sister & Grace

MON. 5

Drove up.

Fred stay'd up to board of education

TUES. 6

Sailed up in Bubble Maud Latta came home with us in eve.

WED. 7

At home all day.

THUR. 8

Drove up & Fred sailed up.

C. G. Club.

Rain!!

FRI. 9 Fred & wife. Mr & Mrs. Rowan & Miss Slunkee went down with us. Music!

SAT. 10

Sailed up in morning

CASH ACCOUNT	Received	Paid
Marking Dr Dale		5
Blanket 1.25		1 25
Piano tr. 10.25 Oil 11.30		21 55
Hat c.f. 2.50 R. H Hat .75		3 25
Enamel .40		40
Homebrew .35 + .30		65
Macadres .20 Home Blanket 1.25		1 80
Clams 1.25		1 25
Gas .80 Homebrew 1		1 80
		5 20
Xmas 2.75 Pens .30		3 05
Labor 1.60		1 60
Dut. Savings Bk.	75	
Household Papers .40		1 40
Edwards		27 65

+3 SUN. 11 Mr. Works took cow.
Drove up to Hewkings in
morning. S.S. in afternoon
Mr. Crowley with us all day

+1 MON. 12
Sailed up - no wind.
Home all d.y.

TUES. 13
Drove up. Ted stand up
to Tuesday Club. Home
alone

WED. 14
Home all day.
Pete brought from pasture
Rob's horse.
Rainy in evening &
+1 THUR. 15 at night -
Drove up.

Ocean Beach Hotel burned
FRI. 16 Rowed up in the
Mary.

SAT. 17

Cash Account	Received	Paid
Church		60
Woolfe 31. Fraley 2.75		33 75
Annie B. .60 Meal 6.00		6 65
Lunch .25 Hay 20.50		20 75
S. D. Hardman 31.		31
Fraley Bal. 5		5
		63 40
Cuas. 1.50 + 25 + 80 + 85		3 40
Frater 2. Homel.		3
Mrs. C. 10. X, 1.25		11 25
		17 65
Stivalman 20. .90 Xmas		20 90
Homebred .25 Xmas .10		35

SUN. 18

MON. 19

TUES. 20

WED. 21

THUR. 22

FRI. 23

SAT. 24

CASH ACCOUNT	Received	Paid
Church -		40
Chas N Hartwell 1.70		1 85
Graham & Hr.		30
Chas. 2.85 + 3.50		6 35
" 1. 15.		1 15
Mrs. G. 1.15 + Ep. .31		1 46
Homebred .45 + 40		85
Chas 40		40
		10 31

-2

SUN. 25

-3

MON. 26

TUES. 27

WED. 28

THUR. 29

FRI. 30

SAT. 31

Cash Account	Received	Paid
Household 24.00		4
Lunch Ice. 1.75		1 75
Kodak .50 Washing .35		85
		6 60
Miller & Co. 2.10 Butter .70		2 80
Mr. Crowley .35		
Pacific Coast.		9 20
Household.		3 00
Washing.		5.
Bills Pay. Sweet 3.		3
Graham & Weldon		27
Lunch .75 L.D.V.M. .25 Stamps .60		1 60
Y.M.C.A. .25 - Band 2.		2 25
Rep. Shoes 7.75		75
		34 60

SUMMARY			Received	Paid
Cash on hand Jan. 1, 1898				
JANUARY	Week ending	1st		
"	"	8		
"	"	15		
"	"	22		
"	"	29		
FEBRUARY	"	5		
"	"	12		
"	"	19		
"	"	26		
MARCH	"	5		
"	"	12		
"	"	19		
"	"	26		
APRIL	"	2		
"	"	9		
"	"	16		
"	"	23		
"	"	30		
MAY	"	7		
"	"	14		
"	"	21		
"	"	28		
JUNE	"	4		
"	"	11		
"	"	18		
"	"	25		

SUMMARY			Received	Paid
JULY	Week ending	2d		
"	"	9		
"	"	16		
"	"	23		
"	"	30		
AUGUST	"	6		
"	"	13		
"	"	20		
"	"	27		
SEPTEMBER	"	3		
"	"	10		
"	"	17		
"	"	24		
OCTOBER	"	1		
"	"	8		
"	"	15		
"	"	22		
"	"	29		
NOVEMBER	"	5		
"	"	12		
"	"	19		
"	"	26		
DECEMBER	"	3		
"	"	10		
"	"	17		
"	"	24		
"	"	31		
	Total			
Balance to new account				

Brulan
June 1 - 1 doz biscuit

Mrs. Graham

Sept. 8 — Oct. 8	12		
Oct. 8 — Nov. 8	15		
Nov. 8 — Dec. 8	15		
Dec. 8 — Jan 8	15		
Oct. 6		10	
Dec. 13		20	
Jan. 15		20	
Jan 8 — Feb. 8	15		
Mch. 13.		30	
Feb. 8 — March 8	15		
March 8 — April 8	15		
April 8 — May 8	15		
April 23.		10	
May 8 — June 8	15		
Medicine.		1	00
June 8.		10	
Material for Jean.		2	45
June 8 — July 8	15		
Aug 1. Sewing		1	53
July 26 — —		5	
Aug. 6.	147	109	98
Bal.		37	02
	147	147	00
"	37 02		
Aug. 12. Jean			75
July 8 — Aug 8	15		
Aug. 24. Flannel &c.			94
Aug 8 to Sept. 8	15		
	67 02	1	69
		65	33
	67 02	67	02
Aug 31 — Bal	65 33		
" " Cash		55	
Bal	65 33	55	
		10	33
	65 33	65	33

Mrs. Graham

Aug 31.	Bal.		10.33
Sept. 8	To Oct. 8		15.
November. 11.	Mrs. Conrad.		.75
"	15	picture frame	.30
"	"	pictures	1.50
Dec.	"	Cash.	10.
"	23	Kimisk.	1.15
"	"	repairs	.31
Oct.	31	Cash	5.
Dec –		Craig	2.75
Oct. 8 – Jan. 1		41 – 21.81	
		66.33 – 21.81	
		44.52	
		66.33 – 66.33	
Jan 1	Bal. –	44.52	
Jan 1 –	Cash		40.
Feb. 1		15	
		59.52 – 40.	
	Bal.		19.52
		59.52	59.52

Nurse List.

1. Mrs. Lucy W. Wright.
Inexperienced. No contagious diseases. Box for mail at 4th & University. House first on road to Aldetown.

2. Mrs. Carrie Stribling
718-14th 1980. 1st

3. Mrs. Anna M. Sherrard
Escondido
1266-10th. cor. A.

4. Jorix Tregarza X
1734. D. St. Masseuse.

5. Miss I. C. Buchler
713. Irving. Ave.
Trained

6. Miss A. Ruch
Massage. for Ladies
2731-H.

7. Miss E. J. Peterson
Tel. 1515 Red. Leland

8. Miss B. S. Kauffman
1827-8th

9. Mrs. E. E. Kovulz
1453-1st

10. Miss F. Hansen
927-7th

11. Mrs. Vina Barber
927. 7th

12. Mrs. Hattie Calvo
1242-6th

13. Mrs. Geo. Sampson.
31st & Colton.

14 Mrs. Theresa B. Pryear
630-Milton Ave

Mrs
David J. Lovell -
Tel. 38 - P.O. 510.
Montezuma
Wm J. Sullivan
Charles Dug Shore

15. Mrs. Mc Dougal -
428 Kearny Ave -
Tel. 972. Red.
16. Miss Jenie Garriock
Leland.
17. Mrs. Amy M. Tuttle
1106 - 6th
Tel. 871. Bl.
18 Mrs. W. A. Reid X
3805 - 8th
Marriage
19. Miss A. S. Peasley X
1126 - 4th Lh.
20 Mrs. Alice Vogel X
1172-3rd - Cor. B.

Name	Residence
Frank. Brooks.	Feb. 22
April 1+2.	(Annie) 15. ✓
5-6½7. ½8-½9.	March 14. 15. ✓
12-13-14-15-16.	May 6. 5. ✓
19-20-21-½22-	July 13. 5. ✓
	Aug 8. 10. ✓
	July 6. 10. Crandall
	60.

April
15. Frank = 5.
18 " = 16.
May 2 " = 5.
" 7 " = 20.
" 31 " = 22.
68.

Engagements

Date	A. M.	P M.

Name	Residence

Name	Residence

NOTES AND BILLS

Date	Drawers	Time
$3.65	Shines	
3.60	Hitchcock	
$3.60	Baker	
$3.60	Brooks	
	Wells (1.50 advanced by B.)	
$3.65	Hoffman	
$3.65	Doig	
$3.65	Read	

RECEIVABLE

No.	Where Payable	Due	Amount
Harpers	3.10	Shiner	
Scribner	2.65	B	
McClure	.90	B	
Rev. of Rev.	2.15	Hilchcock	
Cosmop.	.90	W	
Pop. Science	4.65	B	
Century	3.60	Hoffman	
St. Nicholas	2.60	Brooks	
North Amer.	4.15	Read	
Munsey	90	"	
Forum	2.65	Hilchcock	
	28.25		

Date	To whom given	Time
Jan 1.	Fred omfe to	
	sail.	
Jan. 2.	Fred sailed	
	up. to town.	
Jan 4.	Fred sailed	
	home on Bubble.	
Jan 6.	Fred sailed	
	up.	
Jan. 7.	Fred sailed	
	home.	
Jan 10.	Sailed up	
	in Bubble –	
Jan 13.	Sailed up. Bubble	
" 14	" home "	
" 16	Sailed in St. Joseph	
" 17	" " "	
" 18	" "	
" 19	" "	
" 20	" "	
" 21		
Feb. 4		
" 2		
" 1		
Jan. 30		
" 23		
" 26		
" 27		
" 28		

PAYABLE

No.	Where Payable	When Due	Amount